CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, February 15, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Feb.				
*16	Sewers	Mohawk, N. Y.	S. & B. S.	1-25
16	Water sys.	Riverside Park, Va.	S.	1-25
19	Snag boats	Dallas, Tex.	P. & S.	1-18
*19	Water & light plant	Jackson, Mo.	S. & B. S.	1-25
*19	Viaduct	Atlanta, Ga.	P. & S.	1-25
*19	Purification plant	Ft. Assiniboine, Mont.	P. S. & B. S.	1-25
21	Pipe, valves	Okla. City, Okla.	S. & B. S.	2-15
21	Convenience station	Wash., D.C.	S.	2-15
24	Sewer system	Lawrence, Ind.	S.	2- 1
24	Water system	Lawrence, Ind.	S.	2- 1
*28	Sluice gates, etc.	L Angeles, Cal.	P. S. & B. S.	1-25
*28	Cement	Washington, D. C.	S. & B. S.	2- 8
Mar.				
*1	Pumping plant	Harlingen, Tex.	S.	2- 1
3	Blasting ledge	Portsmouth, N.H.	S.	2- 8
*5	Elevator	Grand Rapids, Mich.	Data	1-18
*5	Bridge	Boston, Mass.	S.	2- 8
*7	Sewer system	Gainesville, Fla.	S.	2- 8
*9	Cement	Nampa, Idaho	S.	2- 8
*10	Two snagboats	Vicksburg, Miss.	P. & S.	1-11
*13	Powder tanks, Wash., D. C.		S. & B. S.	2- 8
*15	Canal	Oregon	P. & S.	2- 8
17	Pump-house, etc., Wash., D. C.		S.	2-15
31	Quay wall, Bremerton, Wash.		S.	2-15
Apr.				
*2	Port works	Chile	P. & S.	5- 4
5	Wharves	Manila, P. I.	P. & S.	12-14
—	Steel, etc.	Glendive, Mont.	P. & S.	2- 8

*Work advertised in Engineering News.

NOTE—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close.	Work.	Place.	On file.	See issue
LIGHT, HEAT AND POWER PLANTS.				
Feb. 15	Alternator, Etc.	Picton, Ont.		Feb. 8
Feb. 20	Lighting, Oil City, Pa.			Jan. 25
	Advertised, Eng. News, Jan. 25 to Feb. 8.			
Feb. 21	Light & power plant	Cleveland, O.		Feb. 15
Feb. 21	Arc lamps, etc.,	Cleveland, O.		Feb. 15
Feb. 23	Light & water plant	Watonga, Okla.		Feb. 15
Feb. 23	Generators, etc.,	Cincinnati, O.		Feb. 8
Feb. 24	Power plant, Lima, O.			Jan. 25
	Advertised, Eng. News, Jan. 25.			
Feb. 24	Lighting, Bridgeport, Conn.			Feb. 15
	Advertised, Eng. News, Feb. 15.			
Feb. 24	Engine, etc.,	New York, N. Y.		Feb. 15
	Advertised, Eng. News, Feb. 15.			
Feb. 26	Generators, etc.,	Winnipeg, Man.		Jan. 18
Mar. 5	Electric lighting,	Orange, N. J.		Feb. 8
	Advertised, Eng. News, Feb. 8 and 15.			
Apr. 4	Transmission line poles,	Chicago, Ill.		Feb. 8
	Advertised, Eng. News, Feb. 8.			
No date	Gas pipe line,	Cincinnati, O.		Feb. 15
BRIDGES.				
Feb. 19	Viaduct,	Atlanta, Ga.		Jan. 25
	Advertised, Eng. News, Jan. 25 and Feb. 1.			
Feb. 19	Reflooring bridge,	Minneapolis, Minn.		Feb. 1
Feb. 20	Bridges,	Hailey, Idaho		Feb. 1
Feb. 20	Bridges,	Wayne, Neb.		Jan. 25
Feb. 20	Bridge,	Odessa, Del.		Feb. 8
	Advertised, Eng. News, Feb. 1.			
Feb. 23	Bridge,	Roswell, N. Mex.		Feb. 15
Feb. 28	Bridge,	Lebanon, O.		Feb. 15
Feb. 28	Bridge,	Morrow, O.		Feb. 15
Mar. 5	Bridge,	Boston, Mass.		Feb. 8
	Advertised, Eng. News, Feb. 8 and 15.			
Mar. 6	Bridge,	New Rockford, N. Dak.		Feb. 8
Mar. 6	Bridge,	Ft. Benton, Mont.		Feb. 8
Mar. 6	Bridges,	Loup City, Neb.		Feb. 15
Mar. 7	Bridges,	Tillamook, Ore.		Feb. 15
Mar. 15	Bridge,	Port Huron, Mich.		Feb. 15
Mar. 30	Bridge,	Port Huron, Mich.		Feb. 15
	Advertised, Eng. News, Feb. 15 to Mar. 15.			
Mar. 31	Bridge,	Custer, S. Dak.		Jan. 25
Apr. 4	Bridge,	Nevada City, Cal.		Feb. 15
BUILDINGS.				
Feb. 15	Boat-house,	New York, N. Y.		Feb. 1
Feb. 16	Armory,	Holyoke, Mass.		Jan. 18
Feb. 19	Wiring,	New York, N. Y.		Feb. 8
Feb. 19	Addition,	New York, N. Y.		Feb. 8
Feb. 20	Appliances,	Buffalo, N. Y.		Feb. 8
Feb. 21	Convenience station,	Wash., D. C.		Feb. 8
	Advertised, Eng. News, Feb. 8 and 15.			
Feb. 24	Building,	Otoe, Okla.		Feb. 1
Feb. 24	Plumbing, etc.,	Ft. Sam Houston, Tex.		Feb. 1
Feb. 26	Elevators,	Brooklyn, N. Y.		Feb. 15
Feb. 26	Plumbing, etc.,	Brooklyn, N. Y.		Feb. 15
Feb. 27	Hospital,	Sheridan, Wyo.		Feb. 8
Feb. 28	Plumbing,	Washington, D. C.		Feb. 1
	Advertised, Eng. News, Feb. 1 to 22.			
Feb. 28	Buildings,	Philadelphia, Pa.		Feb. 1
	Advertised, Eng. News, Feb. 1 and 8.			
Feb. 28	Framing, etc.,	Washington, D. C.		Feb. 1
	Advertised, Eng. News, Feb. 1 to 22.			
Mar. 1	Pest-house,	Evansville, Ind.		Feb. 15
Mar. 5	Granite,	Washington, D. C.		Jan. 25
	Advertised, Eng. News, Jan. 25 to Feb. 15.			
Mar. 5	Elevator,	Grand Rapids, Mich.		Jan. 18
	Advertised, Eng. News, Jan. 18 and 25.			
Mar. 6	Doors,	New Orleans, La.		Feb. 15
	Advertised, Eng. News, Feb. 15 and 22.			
Mar. 7	Plumbing,	Plattsburg, N. Y.		Feb. 15
Mar. 15	Church,	Zanesville, O.		Feb. 1
Mar. 26	Court-house,	Fresno, Cal.		Feb. 15
Apr. 3	Building,	Pierre, S. Dak.		Feb. 15
WATER SUPPLY AND IRRIGATION.				
Feb. 15	Water-works,	De Queen, Ark.		Jan. 4
	Advertised, Eng. News, Jan. 4.			
Feb. 16	Water system,	Riverside Park, Va.		Jan. 25
Feb. 17	Water system,	Benson, Neb.		Feb. 8
Feb. 17	Valve,	Chicago, Ill.		Feb. 15
Feb. 19	Pump,	Wilmington, Del.		Feb. 15
Feb. 19	Pumping engines,	Albany, N. Y.		Feb. 15
Feb. 19	Water and light plant,	Jackson, Mo.		Jan. 25
	Advertised, Eng. News, Jan. 25 and Feb. 1.			
Feb. 19	Stand-pipe,	Sherman, Tex.		Feb. 1
Feb. 20	Water & light plant,	Cochran, Ga.		Feb. 15
	Advertised, Eng. News, Jan. 25.			
Feb. 24	Water system, etc.,	Lawrence, Ind.		Feb. 1
Feb. 24	Feed pump, etc.,	Delaware City, Del.		Feb. 15
Feb. 24	Pipe, castings,	Henderson, Ky.		Feb. 15
Feb. 26	Extension water main,	Portland, Me.		Feb. 8
Mar. 1	Pumping plant,	Harlingen, Tex.		Feb. 1
	Advertised, Eng. News, Feb. 1 and 8.			
Mar. 3	Water pipe,	Washington, D. C.		Feb. 15
	Advertised, Eng. News, Feb. 15 and 22.			
Mar. 6	Water tank,	Parkridge, Ill.		Feb. 1
Mar. 17	Pump-house, machinery,	Wash., D. C.		Feb. 15
SEWERAGE.				
Feb. 15	Sewer,	Emmetsburg, Ia.		Jan. 25
Feb. 15	Sewers,	Cresco, Ia.		Jan. 25
Feb. 15	Storm sewer system,	Dayton, O.		Jan. 4
Feb. 15	Tile sewers,	Buffalo, N. Y.		Feb. 8
Feb. 15	Extension,	sewer sys., St. Petersb'g, Fla.		Feb. 8
Feb. 15	Sewers,	Galveston, Tex.		Feb. 8
Feb. 16	Sewer system,	Sharon, Conn.		Feb. 8
Feb. 16	Sewers,	Mohawk, N. Y.		Jan. 25
	Advertised, Eng. News, Jan. 25 and Feb. 1.			
Feb. 16	Box culvert,	Cincinnati, O.		Feb. 1
Feb. 19	Purification plant,	Ft Assiniboine, Mont.		Jan. 25
	Advertised, Eng. News, Jan. 25 to Feb. 15.			
Feb. 20	Sewers,	Cleveland, O.		Feb. 15
Feb. 22	Sewer system,	Lexington, N. C.		Feb. 1
	Advertised, Eng. News, Feb. 1 to 15.			
Feb. 24	Sewer system,	Lawrence, Ind.		Feb. 1
Feb. 26	Sewer,	Washington, D. C.		Feb. 15
Feb. 27	Sewer system,	Cloverdale, Cal.		Feb. 1
Mar. 5	Sewers, drains,	Jacksonville, Fla.		Feb. 1
Mar. 6	Sewer system,	Toronto, Ont.		Feb. 1
	Advertised, Eng. News, Feb. 1 to 15.			
Mar. 7	Sewer system,	Gainesville, Fla.		Feb. 8
	Advertised, Eng. News, Feb. 8 to Mar. 1.			
STREETS AND ROADS.				
Feb. 15	Repaving,	Buffalo, N. Y.		Feb. 8
Feb. 15	Paving,	Red Jacket, Mich.		Feb. 1
Feb. 15	Paving,	Rhinelander, Wis.		Jan. 25
Feb. 19	Repaving,	Great Falls, Mont.		Feb. 8
Feb. 19	Paving, curbing, etc.,	Flint, Mich.		Feb. 15
Feb. 19	Paving,	Salina, Kan.		Feb. 15
Feb. 23	Asphalt resurfacing,	Minneapolis, Minn.		Feb. 1
Feb. 23	Paving materials,	Minneapolis, Minn.		Feb. 1
Mar. 1	Pike road,	Clinton, Tenn.		Feb. 15
Mar. 1	Paving, curbing,	Manistee, Mich.		Feb. 15
Mar. 1	Paving,	Augusta, Ga.		Feb. 15
	Advertised, Eng. News, Feb. 15 and 22.			
Mar. 2	Asphalt paving,	Des Moines, Ia.		Feb. 15
Mar. 3	Asphalt paving,	Seattle, Wash.		Feb. 15
Mar. 5	Gravel roads,	Rockville, Ind.		Feb. 15
Mar. 5	Gravel roads,	Decatur, Ind.		Feb. 15
Mar. 6	Macadam road,	Versailles, Ind.		Feb. 15
Mar. 13	Asphalt paving,	Crookston, Minn.		Feb. 8
Mar. 15	Road,	Peekskill, N. Y.		Feb. 8
	Advertised, Eng. News, Feb. 8.			
Apr. 2	Road,	Leavenworth, Wash.		Feb. 8
No date	Grading,	Baltimore, Md.		Feb. 15
	Advertised, Eng. News, Feb. 15 and 22.			
MISCELLANEOUS CONTRACTS.				
Feb. 15	Locks and dams,	Dallas, Tex.		Jan. 4
	Advertised, Eng. News, Jan. 4 to 18 and Feb. 8.			
Feb. 15	Ry. excavation,	C., C., C. & St. L. Ry.		Feb. 1
	Advertised, Eng. News, Feb. 1 and 8.			
Feb. 15	Fire hose,	New York, N. Y.		Feb. 15
Feb. 17	Ditch,	Frankfort, Ind.		Feb. 15
Feb. 17	Pier,	Norfolk, Va.		Feb. 15
Feb. 17	Steam hammer,	Chicago, Ill.		Feb. 15
Feb. 19	Miscell. supplies,	Panama		Feb. 1
	Advertised, Eng. News, Feb. 1 and 8.			
Feb. 19	Wooden snagboats,	Dallas, Tex.		Jan. 18
	Advertised, Eng. News, Jan. 18 to Feb. 8.			
Feb. 19	Canal,	Worland, Wyo.		Feb. 8
Feb. 20	Ditch,	Northwood, Ia.		Feb. 1
Feb. 23	Dredging,	Galveston, Tex.		Jan. 25
	Advertised, Eng. News, Jan. 25 to Feb. 15.			
Feb. 23	Filling,	Galveston, Tex.		Jan. 25
	Advertised, Eng. News, Jan. 25 to Feb. 15.			
Feb. 23	Ditch,	St. Cloud, Minn.		Feb. 15
Feb. 23	Ferryboat materials,	New York, N. Y.		Feb. 15
Feb. 23	Stone for bulkhead,	New York, N. Y.		Feb. 15
Feb. 27	Hose wagon,	Crookston, Minn.		Feb. 1
Feb. 28	Sluice gates, etc.,	Los Angeles, Cal.		Jan. 25
	Advertised, Eng. News, Jan. 25 to Feb. 8.			
Feb. 28	Cement,	Washington, D. C.		Feb. 8
	Advertised, Eng. News, Feb. 8 to 22.			
Mar. 2	Dredging,	Savannah, Ga.		Feb. 1
	Advertised, Eng. News, Feb. 1 to Mar. 1.			
Mar. 2	Repairing wall,	Savannah, Ga.		Feb. 1
	Advertised, Eng. News, Feb. 1 to Mar. 1.			
Mar. 3	Blasting ledge,	Portsmouth, N. H.		Feb. 8
Mar. 5	Stone crusher, etc.,	St. Cloud, Minn.		Feb. 15
Mar. 6	Tunnel,	Boston, Mass.		Feb. 15
Mar. 6	Dredging,	Rock Island, Ill.		Feb. 8
Mar. 9	Cement,	Nampa, Idaho		Feb. 8
	Advertised, Eng. News, Feb. 8 to Mar. 1.			
Mar. 10	Electric railway,	Baltimore, Md.		Feb. 8
	Advertised, Eng. News, Feb. 8 to Mar. 1.			
Mar. 10	Two snagboats,	Vicksburg, Miss.		Jan. 11
	Advertised, Eng. News, Jan. 11-18, Feb. 1-8.			
Mar. 13	Powder tanks,	Washington, D. C.		Feb. 8
	Advertised, Eng. News, Feb. 8 and 15.			
Mar. 15	Canal,	Oregon		Feb. 8
	Advertised, Eng. News, Feb. 8.			
Mar. 15	Rehandling machine,	Philadelphia, Pa.		Feb. 15
	Advertised, Eng. News, Feb. 15 to Mar. 8.			
Mar. 15	Railway,	Wisconsin Rapid Transit Co.		Feb. 15
Mar. 16	Cement,	Los Angeles, Cal.		Feb. 15
	Advertised, Eng. News, Feb. 15 to Mar. 8.			
Mar. 31	Quay wall,	Bremerton, Wash.		Feb. 15
Apr. 2	Port works,	Chile (Foreign)		May 4
	Advertised, Eng. News, April 1, 1906.			
Apr. 3	Ditch,	Spirit Lake, Ia.		Jan. 18
Apr. 5	Wharves,	Manila, P. I.		[illegible]
May 1	Steel dock,	Chile (Foreign)		Nov. 9
No date	Dyke,	Lincoln, Neb.		Jan. 18
	Advertised, Eng. News, Jan. 18.			
No date	Steam shovel excavation,	Towanda, Pa.		Feb. 1
No date	Cement,	Chicago, Ill.		Feb. 1
No date	Steel, cast-iron, etc.,	Glendive, Mont.		Feb. 8
No date	Grading,	Baltimore, Md.		Feb. 15
	Advertised, Eng. News, Feb. 15 and 22.			
No date	Concrete hotel,	Porto Rico		Feb. 15
	Advertised, Eng. News, Feb. 15.			
CIVIL SERVICE EXAMINATIONS.				
Feb. 15	Inspector Steel Cons.,	New York, N. Y.		Jan. 25
	Advertised, Eng. News, Jan. 25 and Feb. 1.			
Feb. 16	Transitman, Computer,	New York, N. Y.		Jan. 25
	Advertised, Eng. News, Jan. 25 and Feb. 1.			
Feb. 17	Asst. Elec. Engr.,	Albany, N. Y.		Feb. 1
Feb. 17	C. E. Draftsman,	Albany, N. Y.		Feb. 1
Feb. 17	Foreman Laborers,	Albany, N. Y.		Feb. 1
Feb. 17	Asst. C. E.,	Albany, N. Y.		Feb. 1
Feb. 17	Arch. Designer,	Albany, N. Y.		Feb. 1
Feb. 17	Arch. Draftsman,	Albany, N. Y.		Feb. 1
Feb. 17	Leveler	Albany, N. Y.		Feb. 1
Feb. 20	Draftsman,	Washington, D. C.		Feb. 1
Feb. 21	Rock Grinder (special),	Wash., D. C.		Feb. 1
Feb. 21	Statistician,	Washington, D. C.		Feb. 1
Feb. 21	Assayer, Ore Dresser,	Washington, D. C.		Feb. 1
Feb. 27	Mech. Draftsman,	New York, N. Y.		Feb. 8
	Advertised, Eng. News, Feb. 8 and 15.			
Mar. 14	Aid,	Washington, D. C.		Feb. 8

TO ENGINEERS AND CONTRACTORS

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

ADDRESS

Wainwright A. S. Randall, Editor,
The Construction News Department.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ABILENE & NORTHERN.—This company has been chartered in Texas to build a railway, 115 miles in length, which will extend from Hamlin, in Jones County, to Brady, in McCulloch County, with a branch to Stamford. The principal office of the corporation will be in Abilene. Capital stock, $200,000. The organizers of the new line, as given in the application for a charter, are as follows: Ed. S. Hughes, William G. Swenson, Henry James, H. O. Wooten, Abdon Holt and Will Stith, of Abilene; and Ben W. Fouts, Joseph E. Willis, D. T. Bomar and C. A. Sanford, of Fort Worth, Tex.

ALABAMA & MISSISSIPPI.—We are officially informed that J. P. GROOME & CO., of Silver Creek, Miss., were awarded contract on Feb. 1 for grading 3-mile extension southwesterly from Leakesville, Miss. N. E. Turner is Pres., at Vinegar Bend, Ala.

ATLANTA, BIRMINGHAM & ATLANTIC.—We are officially advised that surveying parties are now in field running a line for the railway extension from Warm Springs, Ga., to Atlanta. Alex. Bonnyman is Ch. Engr., at Oglethorpe, Ga. The work at present under construction was let to the following general contractors: C. D. SMITH & CO. and J. B. LEWIS, from Montazuma, Ga., to Talbottom, Ga.; CALLAHAN CONSTRUCTION CO., Talbottom, Ga., to Warm Springs, Ga.; C. D. SMITH & CO. and J. B. LEWIS, Warm Springs, Ga., to La Grange, Ga.; WRIGHT, WILLIAMS & WADLEY, from La Grange to connection with Eastern Ry. of Alabama, near Talladega, Ala. Work from Talladega to Birmingham not yet let.

CANADIAN PACIFIC.—Company has filed plans for a line to run from Woodstock, Ont., to Niagara Falls, via Hamilton and Grimsby. Also plans for a branch line from Victoria Harbor to Peterboro, Ont., with extensive improvements at Victoria Harbor. The object of this line is to secure lower grade than on the Owen Sound branch.

CORNING, LAKE KEUKA & ONTARIO.—It is said that construction work on this road from Savona to Penn Yan, N. Y., which has been interrupted for several months by legal proceedings, will be resumed at once. The original contracts have been annulled and new ones will be let. F. H. Peet is Pres.

CHICAGO, MILWAUKEE & ST. PAUL.—The contract for the construction of the Pacific Railway, the C. M. & St. P. Ry. Co.'s extension to the Pacific Coast, has been let for that section extending from Puget Sound to the Cascade Mountains and to the eastern boundary of Washington. The contractor is HENRY C. HENRY, Pres. of the National Bank of Commerce of Seattle, Wash.

CLEVELAND, AKRON & COLUMBUS.—The stockholders have authorized the construction of a branch from Howard, O., to Rightmere, four miles, to reach new coal fields. H. O. Hukill is Pur. Agt., at Pittsburg, Pa.

DELAWARE, LACKAWANNA & WESTERN.—It is reported that surveys are being made for the proposed cut-off, to be built by this company between Delaware, N. J., and Portland, Pa., to determine the best route for bettering the grade. The line is being run by way of the Stanhope-Netcong meadows. The distance is about 20 miles. Nothing has as yet been determined upon.

DENVER & RIO GRANDE.—Surveyors are in the field running lines for changes of track between Pueblo and Florence, Colo., a distance of 32 miles. Estimated cost is $350,000. E. J. Yard is Ch. Engr., at Denver, Colo.

DULUTH, ST. CLOUD, GLENCOE & MANKATO.—A report from Mankato, Minn., states that President E. R. Tobie and Secretary J. R. Dickinson, of the new ownership of the Duluth, St. Cloud, Glencoe & Mankato Ry. Co., have adjusted outstanding claims against the old company at Albert Lea, Minn. Active construction work will be resumed early in the spring. The line will be built into Albert Lea from Manchester.

GRAND TRUNK PACIFIC.—The transcontinental Railway Commission will invite bids at once, it is reported, for building portions of the line, which is to be constructed by the government. The bids will be for the section from the Quebec bridge westerly to the Saint Maurice River, about 150 miles, and for the section from Winnipeg easterly to Superior Junction, about 240 miles.

ILLINOIS CENTRAL.—A. S. Baldwin, Ch. Engr., Chicago, informs us that the proposed new line between Corinth, Miss., and Haleyville, Ala., is 80.16 miles in length, 42.34 miles of which is in Mississippi. For its construction the Mississippi & Alabama R. R. Co. has been incorporated, and the contract for grading and bridging has been let jointly to C. D. SMITH & CO., of Memphis, Tenn., and JOHN SCOTT & SONS, St. Louis, Mo., 37.82 miles is in Alabama, and for the purpose of its construction the Alabama Western R. R. Co. has been incorporated. The grading and bridging is to be done by GEO. O. CLINTON, 703 Fisher Bldg., Chicago.

KENTUCKY & TENNESSEE RY.—We are officially advised that C. B. DONAGHY has contract for pole and cross ties for this company. The line will be 25 miles long; of this distance eight miles are constructed. Willard Griffith, Stearns, Ky., is Ch. Engr. J. E. Butler is Supt. and Pur. Agt., at Stearns.

KANSAS CITY, MEXICO & ORIENT.—We are officially advised that this railway is now under construction between Kansas City, via Wichita, Kan.; Fairview, Custer City and Clinton, Okla.; Sweetwater, San Angelo and Presidio, Tex., across the international boundary into Mexico, and via Chihuahua, Minaca, El Fuerte to Topolobampo, on the Pacific coast, a distance of 1,960 miles. The grading is under contract to the UNION CONSTRUCTION CO. from Kansas City, Mo., to Lone Wolf, Okla., 436 miles, and is practically completed from Emporia, Kan., to Lone Wolf, Okla., a distance of 322 miles. On this section the line is completed and in operation between Wichita, Kan., and Oakwood, Okla., 156 miles, and track laying is proceeding south of that point, at El Dorado, Kan., Custer City and Clinton, Okla. From Lone Wolf, Okla., to Topolobampo, Mex., 1,224 miles, the work is under contract to the INTERNATIONAL CONSTRUCTION CO. Grading is practically completed from Lone Wolf to San Angelo, Tex., 275 miles; from Chihuahua, east, 85 miles; from Minaca, west, 65 miles; and from Topolobampo, east, 85 miles. On this section the line is completed and in operation from Sweetwater to Knox City, Tex., 76 miles; from Chihuahua, east, 71 miles; from Minaca, west, 50 miles; and from Topolobampo, east, 72 miles, and track-laying is proceeding on each of these four sections. Between Chihuahua and Minaca, a distance of 125 miles, the line will operate over the tracks of the Chihuahua & Pacific R. R. The Kansas City Outer Belt & Electric Railroad, a double-track line, seven miles in length, is now under construction, and will furnish terminal facilities for Kansas City, Mexico & Orient Ry. in Kansas City. M. P. Paret, M. Am. Soc. C. E., is Ch. Engr.; and W. W. Colpitts, M. Am. Soc. C. E., is Asst. Ch. Engr., at Kansas City, Mo.

MIDLAND CENTRAL.—Lyman Waterman, Gen. Mgr., O'Neill, Neb., under date of Feb. 4, writes us that "the surveys are all completed for the proposed 131 miles of line which this company will build, and most of the right-of-way is bought and will be all taken up within 30 days. We have not made any definite arrangement except that the promoters of the concern will put in $250,000 and will bond for the balance of the money for building the road. This is a meritorious proposition, passing through, as it does, one of the most extensive stock and grain countries in the west, there being no railroad on either side of this line within 20 to 30 miles, except where we cross the Chicago & Northwestern. We will construct from Spalding, Greeley County, Neb., to Springview, county seat of Keya Paha County, Neb. The road will pass through 15 new town sites, which are already bought. The company will commence construction about April 1st, and will be ready for bids March 1st." E. L. Myers, Newport, Neb., is Pres.; and Leslie G. Hicks, Omaha, Neb., is Ch. Engr.

MONARCH COAL & COKE CO.—It is reported that the Monarch Coal & Coke Co., C. D. Caldwell, Pres., Bristol, Va.-Tenn., wants prices on new and relaying rails.

NEVADA NORTHERN.—This company is building a railroad 148 miles long, from Cobre south to Ely, Nev., of which 70 miles have been graded. The UTAH CONSTRUCTION CO., of Ogden, Utah, has the contract. Grading is in progress on the remaining 78 miles. A. Judell, Ch. Engr., Cobre, Nev.; James Phillips, Jr., Vice-Pres.; George D. Beals, Secy., and H. G. Toll, Gen. Freight and Passenger Agent, all with headquarters at 79 Nevada Block, San Francisco, Cal.

NORFOLK & WESTERN.—We are officially advised that the following contracts have been let for new track work and extensions near Lynchburg, Va.: M. P. QUINN, 613 Fidelity Bldg., Philadelphia, Pa., N. M. P. 225.6 to 229.3; MORAN PHELAN CONSTRUCTION CO., 312 Keystone Bldg., Pittsburg, Pa., B. M. P. 229.3 to 232.7; VAUGHAN CONSTRUCTION CO., INC., Roanoke, Va., N. M. P. 232.7 to 237.6; JAMES F. McCABE CO., 519 Equitable Bldg., Baltimore, Md., N. M. P. 237.6 to 240.8; THE E. G. NAVE BROS. CO., Portsmouth, O., N. M. P. 224.5 to 225.6; MOORMAN BROS. CO., Lynchburg, Va., N. M. P. 417.5 to 422. C. S. Churchill is Ch. Engr. of N. & W., at Roanoke, Va.

NORTH CAROLINA.—Acme Lumber Co., Marlboro, S. C., is in the market for three to six miles 30-lb. steel rails, f. o. b. Atlantic Coast Line Railroad.

TEXAS CENTRAL.—We are officially informed that a 42-mile extension will be built from Stamford, Tex., to a town which has not been named. Survey is made and right-of-way obtained. Capital for construction is secured. Contract for grading has been let to J. A. OWENS, of Galveston, Tex., who has commenced work. As there are no bridges of importance, no contracts will be let for this work, and the company will lay its own rails. C. H. Sharman is Ch. Engr., at Stamford. C. Hamilton is Gen. Mgr., at Waco, Tex. The Texas Central Ry. Co. has filed an amendment to its charter providing for certain extensions and branches of the line, the ultimate destination being New Mexico.

TEXAS, NEW MEXICO & PACIFIC.—M. J. Healy, Gen. Mgr., McKinney, Tex., states that this company has let contract to the ROCK ISLAND CONSTRUCTION CO., of Chicago, for 375 miles of line from McKinney, Tex., to the New Mexico line. Construction is to begin early this month. Company desires to hear from contractors who will take a subcontract or part of the line. The company will build about 560 miles in Texas and New Mexico. The other officers of the company are Jesse Shain, Pres.; J. P. Crouch, Vice-Pres.; J. L. White, Secy. and Treas.; J. L. Doggett, Gen. Attorney, McKinney, Tex.

TEMISKAMING & NORTHERN ONTARIO.—Cecil B. Smith, Chn. of the T. & N. O. Ry. Comn., writes us, in regard to the construction of the Canadian National Transcontinental Ry., that, "during the past three years, the Ontario Provincial Government, through a commission, has been building a railway northward toward James Bay, which will incidentally lessen the difficulties and expense of constructing the National Transcontinental Ry. This provincial railway, commencing at North Bay (thus forming a junction with both the Grand Trunk and Canadian Pacific Rys.) passes, via the Temagami Forest Reserve, through the silver Cobalt mining region to the northern end of Lake Temiskaming. This portion, 113 miles long, is in first-class operating condition, but, being designed originally as a colonization road, has 1% grades and 6° curves as maximums, although laid with 80-lb. rails. North of Lake Temiskaming, another 100 miles is nearly completed, with ¼ of 1% grades and 4° curves. Track is laid for 45 miles, and early next summer the track will be completed and reach the junction of the Black and Abittibi Rivers, within 35 or 40 miles of the most northerly location lines of the Transcontinental Ry., and in the vicinity of its line, which will pass south of Lake Abittibi. By next fall a connection can be made with the Transcontinental Ry., in time to enable this proposed trunk line company commence its construction operations not only from Quebec and Winnipeg, but also from a central point, which will practically cut in two the difficulties and time necessary for the construction of the Transcontinental Ry." The Grand Trunk Pacific Ry. Co. will build the portion of this great line from Winnipeg, Man., to the Pacific.

WISCONSIN RAPID TRANSIT.—We are officially advised that bids will be received until March 15th by the Milwaukee Engineering Co., 50 Hathaway Bldg., Milwaukee, Wis., for construction of this railway. The motive power is to be either steam or electricity. The line will extend from Fond du Lac to West Bend, Jackson, Cedarburg, Port Washington and Milwaukee, 72 miles. Chas. D. Smith is Pres., at Fond du Lac. All surveys are made and right-of-way is purchased.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NORWAY, ME.—We are officially informed by William G. Rand, Gen. Mgr. of Norway & Western R. R. Co., 219 Tremont Bldg., Boston, Mass., that the company is now making contracts for material and that contract for general construction probably will be let before Feb. 20. The line is to be 22 miles long, from Norway to Waterford. Albany and Stoneham. 13 miles of subgrade are completed and work will be resumed when weather conditions permit. Surveys are completed and right-of-way all approved and arranged for, as well as capital for building. Motive power will be gasoline motors and steam. Noted last week.

BOSTON, MASS.—The Boston Elevated Ry. Co. has awarded contract for new electrical equipment to the GENERAL ELECTRIC CO., of Schenectady, N. Y.

PLYMOUTH, MASS.—George E. Morgan, Ch. Engr. of the Plymouth, Carver & Wareham St. Ry. Co., Hanover, Mass., informs us that general contract for grading, track and overhead work is let. Company is in the market for 13,000 ties and good second-hand equipment. The line will be built from Plymouth to Carver and Wareham, 16 miles. T. T. Vaughan, Carver, Mass., is Pres.

NORWICH, CONN.—The Norwich & Westerly St. Ry. Co. has awarded contract for electrical equipment to the WESTINGHOUSE ELECTRIC & MFG. CO., of Pittsburg, Pa. Noted last week.

GENEVA, N. Y.—S. W. Hayes, Pres. of the Hayes Track Appliance Co., Geneva, N. Y., and Gen. Mgr. and Ch. Engr., of the Geneva, Phelps & Newark R. R., informs us that the State Railroad Commission will give a hearing on Feb. 14, at Geneva, on application of this company to build its proposed electric railroad. Surveys are completed.

BUFFALO, N. Y.—We are officially advised that surveys are now being made for 14-mile double-track extension to the International Railway. The company will do all grading and track work. There will be needed three bridges, rails, ties, poles, etc. The repair shop of this company is also undergoing reconstruction and company will require steel rolling doors, cranes, electric hoists, transfer tables, etc. T. W. Wilson is Gen. Mgr. and Henry Pumfrey is Ch. Engr., 803 Ellicott Sq., Buffalo, N. Y.

BROOKLYN, N. Y.—At the first public meeting of Borough President Bird S. Coler's Advisory Council, held in the County courthouse, Brooklyn, on Feb. 6, President Coler advocated the establishment of a municipal trolley line between Manhattan Borough and East New York by building a line in Livingston St., as soon as the work of widening that street is finished. He also recommended city tracks on the surface of Atlantic Ave. over the subway and under elevated tracks of the Long Island R. R.

POUGHKEEPSIE, N. Y.—The entire power plant and rolling stock of the Poughkeepsie City & Wappingers Falls Electric Ry. Co. were destroyed by fire on Feb. 11. Press reports place the loss at $500,000, insured for 75% of value. J. W. Hinkley, Jr., is Pres. and Gen. Mgr.

SEELEYVILLE, PA.—We are officially informed that contract for building the Honesdale & Hawley Ry. Co.'s line has been awarded to the W. A. HELLER CONSTRUCTION CO. and that contracts for material will be let within 30 days. The railway will be eleven miles long, extending from Seeleyville to Honesdale, Tracyville, Indian Orchard, White Mills and Hawley. E. B. Hardenburgh is Pres. and J. H. Donner is Ch. Engr., at Honesdale, Pa. Preliminary work is completed and location survey under way.

STAUNTON, VA.—We are officially informed by J. Frank Clemmer, Pres. of the Virginia Valley Traction Co. that capital has been subscribed for building the line from Staunton to Arborhill, Middlebrook, Moffatts Creek, Brownsburg, etc., 27 to 36 miles. It is planned to begin construction about April 1. Contracts have not been awarded yet. Preliminary survey is made and right-of-way procured. Company desires to correspond with firms manufacturing gasoline motors. The motive power for this railway is to be gasoline. Mr. Clemmer may be addressed at Middlebrook, Va.

MORGANTOWN, W. VA. — The common council has granted the franchise applied for by the Morgantown & Dunkard Valley R. R. Co., which proposes to operate a trolley line between Morgantown and Mannington, a distance of 40 miles. The Dunkard Valley Co. has applied to the courts for an election on the question of issuing bonds for the construction of a new bridge across the Monongahela River. This railroad company has already secured 95% of the right-of-way between Morgantown and Mannington.

MEMPHIS, TENN.—T. H. [illegible] of the Memphis St. Ry. Co., [illegible] "the work of general improvement [illegible] der way is being done by [illegible] forces, under the direction [illegible] Ford, Bacon & Davis, of [illegible] York City, and Memphis. [illegible] new cars purchased during [illegible] Additional motor car equipment [illegible] chased during the ensuing [illegible] just closed a contract for a [illegible] house unit, consisting of a [illegible] vertical engine and G. E. [illegible] also includes 2,400-HP. [illegible]

CINCINNATI, O.—A. W. [illegible] Detroit, Mich., Pres. of [illegible] Georgetown & Portsmouth [illegible] vises us that THOMAS DA[illegible] tract for building a portion [illegible] under way. The line will [illegible] cinnati to Amelia, Bethel, [illegible] Georgetown, Russellville, [illegible] West Union and Portsmouth. [illegible] line has been surveyed and [illegible] been acquired as far as W[illegible] tial is secured. There are [illegible] operation, from Cincinnati [illegible] electricity is motive power [illegible] service and steam for freight [illegible] Gordon is Ch. Engr., at Geo[illegible]

MARION, O.—We are informed by James Williams, Ch. Engr., of the C[illegible] ware & Marion Ry. Co., Delaware, O., that this company has let contract [illegible] tion of the extension from [illegible] Timberville and Bucyrus, 28 miles, to the WEBB CONSTRUCTION CO. [illegible] field, O. Surveys have been [illegible] of-way obtained. This branch [illegible] known as the Columbus, Marion & Bucyrus Ry.

CHICAGO, ILL.—Guy Cramer, Secy. to Mayor Edward F. Dunne, advises us that "the Mueller certificate ordinance recently passed by the city council, providing for the issuance of $75,000,000 of street railway certificates for taking over and maintaining the traction lines in Chicago, will be submitted to the voters of this city, for their approval, at the April election. This will be the next step toward the municipalization of the lines."

Two elevated railway extensions in Chicago are provided for in recent ordinances. The Chicago & Oak Park Elevated R. R. (formerly the Lake St. Elevated R. R.) now descends to the surface at 46th St. and runs west on the street paralleling the Chicago & Northwestern Ry., but it may elevate its tracks from 46th St. to the city limits. The Northwestern Elevated R. R. will be extended north from its present terminus at Wilson Ave. to a connection with the elevated tracks of the Chicago, Milwaukee & St. Paul Ry. to Evanston. It will also connect with the Chicago & Milwaukee Electric Ry., giving the latter a route to the downtown elevated loop. A contract has just been awarded the L. E. MEYERS & CO., Monadnock Block, Chicago, by the Northwestern Elevated Ry. Co. for building and equipping 3½ miles of double-track elevated structure with third rail, and one mile of double-track surface, overhead trolley line, known as the Ravenswood extension.

HUTCHINSON, KAN.—We are officially informed that Emerson Carey and others, of Hutchinson, who were awarded a 50-year franchise recently, "propose to build a street railway line in Hutchinson about eight miles long, at once. As soon as the same is completed they are going to construct an interurban line to Sterling and Huntsville on the west, and will probably extend to Wichita on the southeast. They also expect to erect a complete lighting and power plant in Hutchinson. They have let no contracts as yet, but expect to commence letting contracts by the last of this month."

KANSAS CITY, MO.—We are advised by James T. Manning, Kemper Bldg., Kansas City, Pres. of the Kansas City, Stranger Valley & Western Ry. Co., that contract for grading and bridging work has been awarded to the TONGANOXIE CONSTRUCTION CO., of Tonganoxie, Kan. Surveys are completed and right-of-way is secured. Franchise has been obtained in Lawrence. The line will extend from Kansas City to Lawrence and Topeka, Kan., 64 miles. Active construction will begin on March 1. O. Axtell, Kansas City Life Bldg., Kansas City, is Ch. Engr.

HOT SPRINGS, ARK.—We are officially advised that surveys have been made by the Interurban Ry. & Power Co. for a 20-mile electric railway from Hot Springs to company's power dam. Right-of-way is secured. Capital is desired. Contract is not yet let but will be awarded by D. S. Ryan, Pres., Hot Springs, upon co-operative basis. There will be needed all told about $1,500,000. Address Camp & Carner, Lima, O.

DENVER, COLO.—W. H. Tunis, Pres. of the Denver-South Eastern Ry., writes us that contracts for building this railway probably will be let about March 1. H. O. Tunis, Denver, is Ch. Engr. The line will run to Fort Logan, Englewood, Littleton and Platte Canyon, from Denver, a distance of 15 miles.

COLORADO SPRINGS, COLO.—We are officially advised that the proposed Cheyenne Mountain Scenic Ry. will be 243 miles long, up the Cheyenne Mountain. Construction work will begin soon, and it is proposed to have the road in operation by July, 1906. H. I. Reid, is Ch. Engr., at Colorado Sorings, Colo. The promoter is Lewis Ginger.

LEWISTON, IDAHO.—Col. Judson Spofford, of Lewiston, Pres. of the Lewiston & Southeastern Electric Ry. Co., writes us that contracts will be let probably this month for building the 110-mile railway from Lewiston to Clarkston, Asotin, Waha, Forest, Westlake, Cottonwood, Denver, Grangeville, Ilo, Dublin and Nez Perce. Surveys are made and capital and right-of-way are secured.

HAMILTON, ONT.—We are advised that the Hamilton, Grimsby & Beamsville Ry. Co. has filed plans for an extension from Beamsville to Ste. Catherines, Ont.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BURLINGTON, VT.—Board of Aldermen has appropriated $25,000 for the extension of the electric light plant. Frank O. Sinclair is City Engr.

BRADFORD, VT.—The Bradford Electric Lighting Co. is contemplating the extension of its lines to several neighboring villages. C. A. Preston is interested.

BRIDGEPORT, CONN.—Bids are asked until 8 p. m., Feb. 24, for furnishing and maintaining arc lamps and lighting the streets of this city with gas or gasoline for a period of five years from April 1, 1906. W. T. Buckingham, City Clk. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked by C. H. Strong, 31 William St., New York, Pres. Bd. Maps, until noon, Feb. 24, for new belted engine, resetting old dynamo, extension to switchboard, etc., at New York Training School for Girls, Hudson, N. Y. (Advertised, Engineering News.)

HUNTINGDON, PA.—Borough council has awarded a contract to the HUNTINGDON GAS. CO. to light the streets with 2,000 c. p. arc lights at the rate of $41.55 per light for six years beginning July 1, 1906.

PITTSBURG, PA.—City has granted a franchise to the South Side Electric Mfg. Co. to extend its lines to the South Side. Edward M. Bigelow is Dir. Pub. Works.

CENTREVILLE, MD.—E. W. Maloney, of Philadelphia, Pa., is interested in a power plant to utilize the Tuckahoe River near here for electric power and light purposes. It is proposed to dam the river and 200 HP. will be the capacity of the plant.

BALTIMORE, MD.—The Baltimore Electric Light & Power Co. has applied to the state legislature for incorporation with a capital stock of $250,000, to be increased, if necessary, to $2,500,000, to establish and operate an electric power plant, by Thomas J. Shryock, Summerfield B. Medairy, Alfred E. Booth, Robert M. Spedden, and Peter E. Tome, all of Baltimore.

RADFORD, VA.—It is reported that the Radford Water Power Co. contemplates the enlargement of its plant. W. F. Click is Ch. Engr.

LILESVILLE, N. C.—Hugh MacRae, of Wilmington, N. C., and associates, it is reported, are arranging for the development of the Bluett Falls on the Pee Dee River, 12 miles from Lilesville. It is proposed to build a dam across the river and develop water power to about 25,000 HP., which will be transmitted by electricity to Rockingham, Laurinburg, Florence, McColl's, Darlington and adjacent towns. Lockwood, Greene & Co., 93 Federal St., Boston, Mass., are Engrs.-in-Charge.

COCHRAN, GA.—See under Water Supply.

OPELIKA, ALA.—H. L. Dean, Meridian, Miss., has applied for a franchise to supply gas to this city.

ALBERTVILLE, ALA.—See under Water Supply.

BIRMINGHAM, ALA.—See under Water Supply.

BIRMINGHAM, ALA.—It is stated that Ford, Bacon & Davis are Engrs.-in-Charge of improvements reported last week to be made to the plant of the Birmingham Railway, Light & Power Co.

BILOXI, MISS.—The Gulf Coast Gas Co. has secured site for its plant and construction will begin at once.

HATTIESBURG, MISS.—We are officially informed that the Hattiesburg Gas Co. awarded contracts on Feb. 8 to the LACLEDE FIRE BRICK MFG. CO., of St. Louis, for two benches of semi-recuperative, rear clinkering sixes, with necessary iron work, erected complete, ready for gas and water connections; to the KERR MURRAY MFG. CO., of Fort Wayne, Ind., for all gas apparatus from hydraulic main to meter outlet, and to the STACEY MFG. CO., of Elmwood Place, O., for holder with a capacity of 50,000 cu. ft. The company will construct a concrete gas house and lay 15 miles of cast-iron street mains. Edward J. O'Beirne is Engr.

PAINTSVILLE, KY.—Reports state that E. E. Maggard, of Morehead, Ky., has applied for franchise to construct and operate electric light plant.

CLEVELAND, O.—Bids are asked until noon, Feb. 21, for an electric light and power plant for the city hall building. W. J. Springborn, Pres. A. R. Callow, Secy. Bd. Pub. Service.

CLEVELAND, O.—Bids are asked until noon, Feb. 21, for arc lamps, wire, etc., for an extension of the municipal lighting plant. W. J. Springborn, Pres. A. R. Callow, Secy. Bd. Pub. Service.

CINCINNATI, O.—Harry Hake, Arch., Union Trust Bldg., has plans for a 7-story and basement power building and boiler-house, 35 × 20 ft., for the Security Building Co. $175,000 is the estimated cost. Noted on Feb. 1.

CINCINNATI, O.—Bids are asked by the Ohio Fuel Supply Co., 409 Vine St., Cincinnati, or 52 W. Gay St., Columbus, O., for the unloading, hauling, ditching and laying of about 50 miles of 18-in. natural gas pipe line from the terminus of the present 18-in. line at a point near Xenia to the city of Cincinnati.

WATERLOO, IND.—The Waterloo Electric Light & Water-Works Co. has been incorporated with a capital of $25,000. The company will erect a combined plant to furnish light, heat, power and water to this city. C. A. Wilding and W. J. Vesey are directors.

BOYNE, MICH.—The Boyne City Electric Light Co. has purchased three acres as a site for its new power plant, construction of which will be commenced in April. M. W. Swift is Ch. Engr.

LANSING, MICH.—The Platt Power & Heat Co. has been reorganized as the Michigan Power Co. with a capital of $2,500,000. It acquires the heat and power franchises and the plant here, besides power rights and dams along the Grand River from Diamondale to Portland that will develop 15,000 HP. $1,250,000 will be spent in building a central plant and additional dams within the next two years. The officers of the new corporation are: A. A. Platt, Pres.; F. B. Platt, and C. C. Carnahan, Vice-Presidents; M. A. Davitt, Treas.; D. O. Watson, Secy.

DUQUOIN, ILL.—Council has granted a franchise for an electric light and power plant to T. B. Reagin and James Forester, who will construct an independent system here. Work on the plant will begin at once.

WINDSOR, ILL.—Council has granted to Thomas Lefforge, of Windsor, a franchise for an electric light plant.

CHICAGO, ILL.—Bids were opened Feb. 5 for electrical equipment in connection with the new Cook County court-house. The two lowest bidders for each item were as follows: Engines, Allis-Chalmers Co., Milwaukee, Wis., $23,565; Ball Engine Co., Erie, Pa., $26,000. Boilers, Sterling Consolidated Boiler Co., Chicago, $29,300; Heine Safety Boiler Co., St. Louis, Mo., $31,991. Compensators, Arthur Jones Co., Old Colony Bldg., Chicago, $1,709; Western Electric Co., 259 South Clinton St., Chicago, $1,935. Generators, Arthur Jones Co., $12,975; Western Electric Co., $13,260. Switchboards, J. Lang Electric Co., 176 East Indiana St., Chicago, $11,650; Arthur Frantzen Co., 92 West Van Buren St., Chicago, $12,686.

MILWAUKEE, WIS.—Council has voted to issue $150,000 of bonds for a municipal electric lighting plant. Charles J. Poetsch is City Engr.

CHARLES CITY, IA.—E. S. Marrenrer has purchased the Charles City water power plant and will erect a new concrete dam and install an electric power plant.

MADISON, WIS.—F. W. Montgomery, Pres. Madison Interurban Co. has stated that the company will construct a power-house in the spring, to cost about $100,000.

ST. PAUL, MINN.—The St. Paul Gas Light Co., Paul Doty, Gen. Mgr., will install about 30 miles of electric wiring and about 20 miles of gas mains in this city, at a cost of about $600,000.

TOPEKA, KAN.—Improvements and extensions to the municipal lighting plant are under consideration by council. Estimated outlay, $25,000. James F. McCabe is City Engr.

HUTCHINSON, KAN.—See under Electric Railways.

HAVELOCK, NEB.—P. T. McGerr has applied to council for a franchise to operate an electric lighting plant.

CREIGHTON, NEB.—The Creighton Gas, Electric Light & Power Co. has been incorporated with capital stock of $25,000. The incorporators are W. C. Caley, M. C. Theisen, Ferdinand Dworchack, H. A. Cheney and George A. Brooks. The company intends to install a lighting plant at Creighton and do a general power business.

KANSAS CITY, MO.—An ordinance is said to be before the city council providing for a special election to be held March 6 to vote on the issuance of $2,250,000 of bonds for a municipal gas plant. E. A. Harper is City Engr.

COTTER, ARK.—It is reported that city will let franchise for the construction of electric light plant. Population, 1,000. Address E. B. Ortman.

HUBBARD, TEX.—Council has granted an electric light and ice plant franchise to W. A. Bass.

WATONGA, OKLA.—We are officially advised that bids are asked until 1 p. m., Feb. 23, for the construction of light and water plant. Noted on Jan. 11 and Feb. 1. M. A. Earl is Engr., Muskogee, Ind. T.

SEATTLE, WASH.—The Seattle Lighting Co. will move its plant and enlarge same on new site.

SPOKANE, WASH.—The Inland Power & Electric Co. has been incorporated to construct electric power transmission lines, and all classes of transportation business. Capital stock, $1,000,000. Incorporators: Arthur Phillips, F. P. Waters, C. A. Lunsford, of Spokane.

PENDLETON, ORE.—It is stated that the Northwestern Gas & Electric Co., of Walla Walla, Wash., contemplates the construction of a gas plant here to cost about $35,000. Isaac W. Anderson is Mgr. at Walla Walla.

RAINIER, ORE.—Council has granted franchise to W. P. Ely for an electric plant here.

SAN BERNARDINO, CAL.—It is stated that the Atchison, Topeka & Santa Fe Ry. Co. will build an electric light plant and a power-house and plant here, at a combined cost of $29,000. J. R. Hitchcock is Supt. at this place.

OAKLAND, CAL.—It is stated that the Oakland Traction Consolidated contemplates the construction of a water-power plant and transmission line. Edward M. Boggs is Engr.

ONTARIO, CAL.—The San Antonio Water Co. will expend $30,000 for construction of a power plant here, according to reports.

REDLANDS, CAL.—The Home Gas Co. has been incorporated here with capital of $40,000. A site has been purchased and plant will be erected soon. H. P. Walton is Mgr.

SAN BERNARDINO, CAL.—The San Bernardino Gas & Electric Co. has awarded a contract to the LACEY MFG. CO., Los Angeles, for a steel gas holder of 50,000 cu. ft. capacity.

PHOENIX, ARIZ.—The Central Heat, Light & Power Co. of America has been chartered with capital stock of $1,000,000. Incorporators: J. W. Salter, W. I. Turner and C. H. Graham.

LEWISTON, IDAHO.—It is reported that the Lewiston-Clarkston Co. will install a power plant on the Salmon River, about 14 miles south of Westlake. E. H. Libby is Pres. and Mgr.

LOGAN, UTAH.—O. C. Bluemel, of this city, will construct a 150 HP. power plant to supply electricity for lighting and power purposes, according to reports.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

WOONSOCKET, R. I.—An appropriation of $11,000 has been asked for rebuilding Arnold St. bridge. John J. Mee, Alderman, is interested.

MANCHESTER, VA.—A steel girder bridge, it is reported, will be erected across the Southern Railway Co.'s tracks at Cowardin Ave., to the Belle Isle trestle, leading to Belle Isle. W. D. Ferguson, Assemblyman, Richmond, is interested.

PARKERSBURG, W. VA.—Bids are being asked by C. H. Shattuck, Pres. of the Parkersburg, Marietta & Interurban Railway Co., for building an iron bridge 2,500 ft. long, to carry street car tracks over the Little Kanawha River. W. E. Stout is County Clk.

HALLISON, N. C.—Bids will be asked soon by the County Commissioners for a steel bridge 600 ft. long over Deep River, in Moore County. Gilbert McLeod, of Carthage, is interested.

CHESTER, S. C.—Bids have been received by J. O. Darby, County Supervisor, for building a small steel bridge over Sandy River, in Chester County.

MOBILE, ALA.—The House of Representatives passed the bill, previously passed by the United States Senate, authorizing the Mobile Railway & Dock Co. to build a bridge or viaduct across the water between Cedar Point and Dauphin Island in Mobile Bay.

CARTHAGE, TENN.—Bids will be asked soon by L. A. Ligon, Mayor, for building a steel bridge 500 ft. long across the Cumberland River, to cost $50,000. W. M. Johnson is County Clk.

KNOXVILLE, TENN.—Preliminary plans and estimates are being prepared by W. C. Crozer, City Engr., for a concrete arch to replace the present iron bridge on Vine St., Knoxville.

CLARKSVILLE, TENN.—The building of a bridge over the Cumberland River at Franklin St., Clarksville, is now under consideration by the Chamber of Commerce. The new bridge will cost about $150,000.

LEBANON, O.—Bids are asked by the County Auditor of Warren County until Feb. 28 for constructing a 175-ft. steel bridge across Little Miami River at Morrow. Walter Hinkel is County Surv.

NEW PHILADELPHIA, O.—It is stated that the Board of County Commissioners is considering the erection of two bridges here.

INDIANAPOLIS, IND.—The Savage Construction Co., 1638 First National Bank Bldg., Chicago, Ill., is asking for bids for a concrete bridge near Indianapolis, Ind.

The Board of Public Works is taking bids for raising the Indiana Ave. bridge three feet.

Plans have been completed by the War Dept. for a concrete arch bridge at the Armory Post, near Indianapolis. The bridge will span a gulley just inside the main entrance, a distance of 118 ft. and 35 ft. wide. The span between the arches will be 60 ft.

MARION, IND.—It is stated that the Chicago, Cincinnati & Louisville Railroad Co. will erect bridges across its tracks at Western and Butler Aves., West Marion.

PETERSBURG, IND.—The Louisville, West Baden & Vincennes Traction Co. will build a 4,000-ft. trestle leading to the bridge that is to span the White River, one mile north of this city.

PORT HURON, MICH.—Bids are asked by R. D. O'Keefe, Supt. Public Works, until March 15 for constructing bridge across Black River at Military St. Two styles will be considered: the jack-knife and counterbalance.

SARANAC, MICH.—At a special election here it was voted to bond Boston Township for $3,600, to build a bridge on the highwater road.

ST. JOSEPH, MICH.—The subject of a new steel viaduct is being considered by the city officials here. It is estimated that $50,000 will be expended in the improvements.

COLLINSVILLE, ILL.—It is reported that the council has voted to construct a bridge over Bullock Creek.

RACINE, WIS.—A resolution has been presented to the City Council calling for $25,000 for improvements on the Main St. bridge here. P. H. Connolly, Racine, is City Engr.

MARINETTE, WIS.—The contract for constructing the iron bridge across the Peshtigo River has been awarded to the WISCONSIN BRIDGE & IRON CO., of Milwaukee.

MONROE, WIS.—The contract for constructing the 80-ft. span in Albany Township was awarded to the CLINTON BRIDGE CO., of Clinton, Ia.

OSHKOSH, WIS.—It is reported that the Lake Superior & Southern Railroad Co. will soon ask for bids for constructing a number of bridges on its proposed road, from Huron Bay on the northern peninsula of Michigan, southwesterly, via Lake Michigamme. George A. Young, of Oshkosh, Wis., is Constr. Engr.

DUBUQUE, IA.—It is reported that a syndicate headed by A. O. Fox, of Madison, Wis., contemplates entirely rebuilding the high bridge here. It will be necessary to construct a wagon and foot bridge in addition to making room for car tracks.

LOUP CITY, NEB.—Bids are asked by C. F. Beushausen, County Clk., until noon, March 6, for building all bridges that may be needed in Sherman County for one year.

OLIVET, S. DAK.—Bids are asked by J. W. Wipf, County Aud., until noon, April 3, for a number of steel bridges in Hutchinson County over the James River. Each bridge will be from 40 ft. to 150 ft. in length.

ST. LOUIS, MO.—The city council has passed the bill for the $3,500,000 bond issue, for the erection of a free bridge here.

VAN BUREN, ARK.—The Senate has passed the bill authorizing the Fort Smith & Van Buren Bridge Co. to construct a bridge across the Arkansas River here.

ALAMOSA, COLO.—It is reported that a bridge will be erected across the Rio Grande River here. T. W. Jaycox, State Engr., Denver, is in charge.

ROSWELL, N. MEX.—Bids are asked by W. M. Atkinson, Chn. Bd. Comrs., until 10 a. m., Feb. 23, for constructing steel and iron highway bridge across the Rio Felix River, near Hagerman. The new bridge will have a single span 125 ft. long, driveway 16 ft. wide and will rest on two steel cylinders 36 ins. in diameter.

TILLAMOOK, ORE.—Bids are asked by G. B. Lamb, County Clk., until 10 a. m., March 7, for constructing a combination bridge across South Nehalem River at Ludike Point. Bids are also asked for constructing a 130-ft. bridge at Cloverdale, across the Big Nestucca River. Two bids are asked for the latter bridge: one for a combination and one for a Howe truss.

SAN DIEGO, CAL.—The following estimates were submitted for the proposed bridges in this city: D St., $13,157; F St., $4,961, and H St., $5,720. G. A. de Hemecourt is City Engr.

OXNARD, CAL.—It is reported that the Southern Pacific Co. will replace the present trestle across Santa Clara River by a new steel cantilever bridge. W. Hood, San Francisco, is Ch. Engr.

NEVADA CITY, CAL.—Bids are asked by F. L. Arbogast, County Clk., until 10 a. m., April 4, for constructing trestle bridge across Trout Creek, at Truckee.

STOCKTON, CAL.—It is reported that two steel bridges will be constructed here. One will span the San Joaquin River above Stockton and the other will cross Burn's cut-off. R. C. Tunnelty, Stockton, is City Engr.

CLIFTON, ARIZ.—A committee consisting of George Evans, William Pollack and Fred. Marston was appointed to have in charge the erection of the proposed $350,000 suspension bridge here.

EDMONTON, ALTA.—The contract for the superstructure for the bridge across the Bow River here was awarded to the CANADIAN BRIDGE CO., of Walkersville, Ont. John Stocks, Edmonton, is Ch. Engr.

TORONTO, ONT.—The City Engineer estimates the cost of a bridge to connect Wellesley St. with Sparkhall St., over the Donn Valley, at about $200,000.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

DOVER, N. H.—It is stated that the bill for the new federal building here was favorably acted upon by the Senate. Cost, $100,000.

SOUTH FRAMINGHAM, MASS.—It is reported that an $80,000 high school building is contemplated for this city.

FALL RIVER, MASS.—Plans have been completed and bids have been received for the additions to the Boy's Club-house here. Cost, $70,000. J. M. Darling, Bennett Bldg., Fall River, is Arch.

BOSTON, MASS.—WOODBURY & LEIGHTON CO., 166 Devonshire St., Boston, Mass., has been awarded the contract for the International Trust Co. building at Milk and Arch Sts., Boston, for about $215,000. Wm. G. Preston, 186 Devonshire St., Boston, is Arch.

MELROSE, MASS.—ROBERT WILSON, 6 Beacon St., Boston, has been awarded contract for church for the First Baptist congregation of Melrose, Mass., to cost about $50,000. George F. Newton, 6 Beacon St., Boston, is Arch.

BRIDGEPORT, CONN.—ANGUS MACDONALD, 161 Devonshire St., Boston, has been awarded the contract for a business block at Bridgeport, Conn., for Meigs & Co., to cost about $50,000. Bowditch & Stratton, 7 Water St., Boston, are Archs.

BROOKLYN, N. Y.—Bids are asked by C. B. J. Snyder, Supt. School Bldgs., until 11 a. m., Feb. 28, for sanitary work in Public School No. 109, on Dumont Ave., Boro. of Brooklyn. Bids are also asked for installing electric elevator in Manual Training High School, on Seventh Ave., between Fourth and Fifth Sts., Boro. of Brooklyn.

BROOKLYN, N. Y.—A site has been selected at Borough Hall Square for the erection of an office building for the Belmont subway syndicate. The new building will be 75 × 175 ft. and cost about $150,000.

Plans are in progress for a 4-story fireproof stable, 95 × 155 ft., at Atlantic and Carlton Aves., Brooklyn, for the Long Island Railroad Co., 128 Broadway, New York. H. F. Saxlebye, 5 Hanson Place, Brooklyn, is Arch.

NEW YORK, N. Y.—Bids were opened Feb. 8 for construction of Bronx court-house on Third Ave. and 161st St., Borough of Bronx, as follows: T. J. Brady & Co., 1123 Broadway, New York, $529,000; John Pierce & Co., 277 Broadway, New York, $559,571; J. R. Sheehan & Co., 160 Fifth Ave., New York, $579,000; E. M. Waldron Co., 840 South Sixth St., Newark, N. J., $622,822; J. H. Parker & Co., 225 Fourth Ave., New York, $567,790; Fleischman Realty Co., 170 Broadway, New York, $514,000; R. E. Henningham, 4 Court St., Brooklyn, $559,000; Buckeye Realty & Construction Co., Times Bldg., New York, $576,000; C. H. Peckworth, 415 Hudson St., New York, $577,823.

NEW YORK, N. Y.—No plans have been selected for the construction of St. Thomas' Episcopal Church, at Fifth Ave. and 53d St., New York. Rev. E. M. Stires is Pastor.

Bids were opened Feb. 8 for addition to Metropolitan Museum of Art. Buckley Realty & Construction Co., Times Bldg., New York, was low bidder at $345,000. Bids will be re-advertised.

NEW YORK, N. Y.—The City Investment Co., 111 Broadway, recently purchased property on Cortlandt St., between Broadway and Church St., for the erection of a building which will equal any office building, excepting probably the Broad Exchange, in floor space. F. H. Kimball, 71 Broadway, is Arch.

Plans have been completed for the erection of a 11-story office building and theater on Broadway, Seventh Ave. and 48th St. for Maurice B. Phillipp. Ingraham Bros., 30 Broad St., New York, are lessees. Bradford Lee Gilbert, 50 Broadway, New York, is Arch. Cost, $700,000.

A site has been selected for the National Theater at Broadway and 62d and 63d Sts., New York. Charles T. Barney, 71 Broadway, is interested.

The contract for the superstructure of the building for Scribner Bros., on West 43d St., was awarded to J. B. & J. M. CORNELL, 26th St. and Eleventh Ave., New York.

It is stated that a decision was reached by members of the Hebrew Sheltering Guardian Society, 150th St. and Broadway, for the construction of a new asylum. Adolph Lewisohn, 42 Broadway, New York, is Pres.

Plans are in progress for the erection of an 18-story office building on the corner of Wall St. and Broadway, New York. Barnett, Hayes & Barnett, Frisco Bldg., St. Louis, Mo., are Archs. Cost, $225,000.

NEW YORK, N. Y.—Bernstein & Bernstein, Archs., 26 East 23d St., are taking figures on the erection of a synagogue at 132 East 111th St., New York, for the congregation of Talmud Thora, c/o D. Cohen, 171 Broadway. The building will be four stories, fireproof, brick, 100 × 100 ft.

Plans are in progress for an apartment house at Riverside Drive and 86th St., New York. The building will be 12 stories, 100 × 200 ft. The general contract is awarded to R. H. McDONALD, 5 West 31st St., New York. Cost, about $1,200,000. C. E. Birge, 5 West 31st St., is Arch.

We are advised that plans are in progress for extensive additions to the Pulitzer Bldg., 63 Park Row, New York.

The contract for erecting residence for J. H. Harding, 25 Broad St., at 954 Fifth Ave., New York, was awarded to JOHN W. HOGENCAMP & SON, 136 West 55th St. C. P. H. Gilbert, 1123 Broadway, is Arch. Cost, $250,000.

GLOVERSVILLE, N. Y.—We are informed that the contract for the new $100,000 high school building has been temporarily withheld by the Board of Education.

PLATTSBURG, N. Y.—Bids are asked by Capt. O. Edwards, until 11 a. m., March 7, for installing plumbing fixtures in 13 sets officers' quarters, administration building and guard-house at Plattsburg Barracks.

SYRACUSE, N. Y.—Plans are in progress for construction of a $500,000 hotel for the Dwight-Gaug Syndicate. The construction will be reinforced concrete, steel and terra cotta. C. E. Colton, 502 Kirk Bldg., is Arch.

ATLANTIC CITY, N. J.—Plans and specifications have been submitted by several architects for the construction of the proposed $50,000 school building here.

NEWARK, N. J.—Bids are being taken by C. Granville Jones, Arch., 280 Broadway, New York, for the erection of church for Christ Reformed congregation, in Newark. Cost, $50,000. Brick and stone, one story, 80 × 120 ft.

It is stated that plans are inprogress for the erection of a new building for the Beth Israel hospital. Nathan Nyas, Newark, is Arch. Cost, $75,000.

PRINCETON, N. J.—Bids are being taken by R. C. Gildersleeve, Arch., 150 Fifth Ave., New York, for the construction of "McCosh Hall." The building will be fireproof, three stories, 140 × 160 ft. Cost, $300,000.

MORRISTOWN, N. J.—The contract for erecting new wing for the Morristown Memorial Hospital was awarded to STURGIS BROS., of this city. R. C. Walsh, Morristown, is Arch.

PHILADELPHIA, PA.—The contract for constructing the building at Ninth and Chestnut Sts., for Gimbel Bros., was awarded to the CHARLES McCAUL CO., of this city. Cost, about $200,000.

The contract for erecting an apartment house on Juniper and Spruce Sts. for McIlvain & Co. was awarded to METZGER & WELLS, of this city.

SAXONBURG, PA.—Plans have been completed for a 4-story summer hotel, 35 × 100 ft., for Paul Rudart, of this city. F. J. Porter, 8 Reiber Bldg., Butler, Pa., is Arch. Cost, $50,000.

PITTSBURG, PA.—We are officially informed that Frazier, Fox & Spencer, 718 Rockefeller Bldg., Cleveland, O., have been appointed Consulting Engineers for 20-story building for the Union National Bank, at Fourth Ave. and Wood St., and the 15-story building for the Commonwealth Trust Co., immediately adjoining.

WILKES-BARRE, PA.—We are advised that plans have been completed and ready for bids for erecting building for the First National Bank at Wilkes-Barre. It will be fireproof, brick, steel and granite. Cost, $150,000. A. H. Kipp, Coal Exchange Bldg., Wilkes-Barre, is Arch.

PHILADELPHIA, PA.—Plans are in progress for an addition to the Union League Club's building at Broad and Sansom Sts. The addition will be fireproof, brick, six stories, 100 × 110 ft. Cost, $500,000. J. M. Huston, Witherspoon Bldg., Philadelphia, is Arch.

PHILADELPHIA, PA.—We are officially informed that the following contracts were signed for the construction of the Carnegie Branch Library here: General contract, FRED. A. HAVENS CO.; electric wiring, KELLER, PIKE CO.; heating and ventilating, PHILADELPHIA STEAM HEATING CO., all of Philadelphia. Field & Medary, 1414 South Penn Square, Philadelphia, are Archs.

WILMINGTON, DEL.—Plans are in progress for an apartment house for Frederick Hodges, in this city. It will be five stories, brick, stone and steel. Cost, $125,000. W. H. Fink, 426 Franklin St., Reading, Pa., is Arch.

BALTIMORE, MD.—Plans are in progress for a store and office building on Charles and Mulberry Sts. for George K. McGaw, 344 North Charles St., Baltimore. The new building will be four stories, 50 × 100 ft, fireproof. Alfred H. Taylor, Hanover Bldg., is Arch.

The Highland Avenue M. E. Church has plans in progress for a new building at Highland Ave. and Pratt St. Tormey & Leach, 323 North Charles St., are Archs. John W. Cleaver, 216 Gough St., Baltimore, is Chn. Com. The new edifice will be two stories, 40 × 80 ft., stone with Indiana limestone trimmings.

WASHINGTON, D. C.—The plans of George B. Post & Son, Archs., 33 East 17th St., New York, have been accepted for the new buildings for George Washington University. Cost, about $1,500,000.

WASHINGTON, D. C.—Plans are in progress for a new 3-story brick, stone and steel telephone building, 45 × 100 ft., for the Chesapeake & Potomac Telephone Co., in Washington. Eidlitz & McKenzie, 1123 Broadway, New York, are Archs.

WASHINGTON, D. C.—We are officially informed that the date of opening bids for granite for U. S. Soldiers' Home has been extended until noon, March 5. (Advertised, Engineering News.)

Specifications are on file at the office of Engineering News, 220 Broadway, New York, for construction and installing plumbing in Public Convenience Station, No. 1, Washington, D. C. (Advertised, Engineering News.)

WINCHESTER, VA.—The contract for the $250,000 Memorial Library, to be erected here, will soon be awarded by the Board of Trustees of the estate of John Handley, Scranton, Pa.

CHARLESTON, S. C.—The Bureau of Yards and Docks is preparing plans and specifications for a 3-story brick and steel building at the Charleston Navy Yard to be used as a storehouse and storekeeper's office. Amount appropriated is $98,000 and the construction will include plumbing, heating and wiring, but no elevator.

NEW ORLEANS, LA.—Bids are asked by Hugh McCloskey, Pres., until 7.30 p. m., March 6, for furnishing and erecting doors of steel rolling or folding shutter design in certain sheds in New Orleans. (Advertised, Engineering News.)

NATCHITOCHES, LA.—James Knox Taylor, Supervising Arch., Treas. Dept., Washington, has awarded to the MANKIN CONSTRUCTION CO., 812 East Main St., Richmond, Va., contract for the construction of the U. S. post-office building at Natchitoches, La., for $49,672. Time of completion, April 30, 1907. This contract was previously awarded, but the lowest bidder withdrew from the contract and the Mankin Co., next lowest bidder, received it. Bids were opened Jan. 4.

LOUISVILLE, KY.—A permit has been granted to the Southern Presbyterian Theological Seminary for a 3-story brick and stone addition to the present building. Cost, $80,000. McDonald & Dodd, 600 Equitable Bldg., Louisville, are Archs.

LEXINGTON, KY.—The contract for the union station to be erected here was awarded by the Union Station Co. to the HENDRICKS BROS. CO., of this city.

MEMPHIS, TENN.—We are informed that plans are being prepared for a 4-story theater for F. W. Foxton. Carney & Cory, Memphis, are Archs.

CLEVELAND, O.—The mason contract for the new Hippodrome was awarded to the REAUGH CONSTRUCTION CO., of this city. Knox & Elliott, Mercantile Bank Bldg., are Archs.

We are informed that plans will soon be completed for a new building for the Church of the Holy Trinity, on Woodland Ave., Cleveland. The construction will be brick and stone, cost $80,000. Wm. P. Ginther, Cleveland, is Arch.

We are informed that the plans of Hubbell & Benes, Citizens Bldg., Cleveland, have been accepted for the erection of a $280,000 market house on Lorain and Pearl Sts.

COLUMBUS, O.—Plans have been completed for a 6-story telephone exchange, 35 × 157 ft., with annex 62 × 90 ft., for Central Union Telephone Co., at High and Lynn Sts., Columbus. Richards, McCarty & Bulford, Ruggery Bldg., Columbus, are Archs.

ZANESVILLE, O.—We are officially informed that plans are in progress for the new building for the Times-Recorder, of this city. Frazier, Fox & Spencer, Rockefeller Bldg., Cleveland, O., are Consult. Engrs.

LAFAYETTE, IND.—Plans have been approved for the erection of a new Y. M. C. A. building in this city. Bids are being received by George W. Switzer, Secy., for a 4-story brick and stone building, costing about $60,000.

INDIANAPOLIS, IND.—Revised plans and specifications have been prepared for the new theater in South Illinois St. O. F. Mann is interested.

EVANSVILLE, IND.—Bids are asked by the Board of Public Works until March 1 for the construction of a city pest-house.

KALAMAZOO, MICH.—The competitive plans of Bradley & Allen, Archs., Ft. Wayne, Ind., were accepted for a $50,000 school building for the Board of Education. John De Visser, is Secy. Plans will be completed in about two weeks.

It is reported that a stock company, composed of E. J. Phelps, E. S. Rankin, Charles Cobb and David Fisher, of this city, has plans for an 8-story press brick and stone business block, 66 × 120 ft., at Main and Burdick Sts. Cost is about $200,000.

CHICAGO, ILL.—Bids were opened Feb. 5 for the construction of court-house for Cook County. The following were three lowest bidders: William Grace Co., 1408 Wabash Ave., Chicago, $3,045,000; George H. Fuller Co., 204 Dearborn St., Chicago, $3,252,732; Wells Bros Co., Monadnock Bldg., Chicago, $3,500,000.

We are advised that plans have been completed and bids are being taken by Hill & Waltersdorf, Archs., 70 La Salle St., Chicago, for the erection of a 5-story semi-fireproof building, 60 × 80 ft., for John H. Bradshaw, at 48-52 South Franklin St., Chicago. Park Davis & Co., 44-46 South Franklin St., Chicago, are the lessees.

It is stated that the First National Bank of Englewood is considering the erection of a new building at 443 West 63d St., Chicago. Handy & Cady, Archs., 172 Washington St., Chicago, have submitted preliminary drawings, which show a 2½-story stone and marble building, costing about $100,000.

MILWAUKEE, WIS.—The executive committee of the State Board of Normal Regents has approved all the alterations in the plans made by VanRyn & DeGelleke, Archs., for the new $140,000 normal school building to be erected in Milwaukee, and bids will be advertised to be received in March.

SUPERIOR, WIS.—It is reported that this city will have a new $50,000 auditorium.

BELOIT, WIS.—The contract for constructing the new $50,000 church here for the Presbyterian congregation was awarded to A. L. DEARHAMMER, of this city.

ST. PAUL, MINN.—It is reported that Barney Zimmerman has purchased a site at Third, Fourth and Market Sts., and contemplates the erection of a 4-story store and office building, costing about $50,000.

Contract for erecting the new Orpheum Theater at Fifth and St. Peter Sts., was let to W. A. CAMERON & CO., of this city. The contract price was $300,000.

JACKSON, MINN.—The plans of Buechner & Orth, 602 Manhattan Bldg., St. Paul, have been accepted for the construction of the new court-house in Jackson. It will be two stories and basement, fireproof, cut stone and brick. Cost, $80,000.

ST. PAUL, MINN.—The contract for the erection of the superstructure of the new auditorium here was awarded to F. J. ROMER & SON, 200 Ramsey St., of this city, for $205,000. Reed & Stem, 601 Endicott Bldg., St. Paul, are Archs.

MINNEAPOLIS, MINN.—We are advised that plans are completed and ready for bids for the construction of the administration building for the City Hospital. L. A. Lamoreaux, 1108 Lumber Exchange, is Arch.

Plans are in progress for a 5-story fireproof building for the Warner Hardware Co., on Sixth St., Minneapolis. W. H. Kenyon, Guaranty Bldg., Minneapolis, is Arch.

WINONA, MINN.—We are officially informed that plans have been completed for the construction of a $50,000 Y. M. C. A. building here. Smith & Withrow, Des Moines, Ia., are Archs. R. E. Squires is Secy.

OMAHA, NEB.—We are advised that A. Booth & Co., of this city, will erect a new building on Leavenworth St., at a cost of $75,000.

PIERRE, S. DAK.—Bids are asked by S. H. Elrod, Chn., until noon, April 3, for constructing east wing of State Capitol building. Bell & Detwiller, 712 Northwestern Bldg., Minneapolis, Minn., are Archs.

COLUMBIA, MO.—The plans of J. H. Fett, 401 Shukert Bldg., Kansas City, have been accepted for the construction of the Boone county court-house. Cost, $100,000.

TULSA, IND. T.—See under Sewerage.

DENVER, COLO.—It is reported that a new apartment and store building will be erected on the site of St. John's Cathedral, Broadway and 20th Ave., Denver, by the Harrison Investment Co. Cost is estimated at $150,000.

FRESNO, CAL.—Bids are asked by James Knox Taylor, Supervising Arch. Treas. Dept., Washington, until 3 p. m., March 26, for construction of post-office and court-house building at Fresno, Cal.

LOS ANGELES, CAL.—It is reported that Nelson Story, of Bozeman, Mont., has purchased a site on Broadway and Sixth St., where he will erect a 10-story office building, costing about $500,000.

TWIN FALLS, IDAHO.—Plans have been completed for an opera-house here for the Idaho Opera House Co. It will be 75 × 134 ft., brick and stone. Cost, $80,000. E. J. Ohrenstein, 1730 First National Bank Bldg., Chicago, Ill., is Arch.

WINNIPEG, MAN.—The city council has made an appropriation of $100,000 for building a new police station. Thomas Sharpe is Mayor.

ST. BONIFACE, MAN.—The contract for the new Catholic Cathedral to be built here was awarded to SENECAL & SMITH, of St. Boniface. Contract for cut stone was awardedto JOSEPH BEAUGEAULT, of this city. Total cost will be $225,000. Lighting, heating and furnishing will be figured separately. Marchand & Haskell, St. Jacques Bldg., Montreal, are Archs.

MONTREAL, QUE.—The Robert Simpson Co., of Toronto, have purchased a site on St. Catharine and Windsor Sts., Montreal, where a large department store will be erected.

REGINA, N. W. T.—The congregation of the M. E. Church, of this city, has purchased a site on Victoria and Cornwall Sts., on which to erect a $50,000 church.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

SPRINGFIELD, MASS.—The contract for furnishing 6 and 8-in. pipe for water-works has been awarded to GEORGE VAUGHAN, of this city, at 9 and 15 cts. per ft., respectively.

WORCESTER, MASS.—THE WARREN PIPE & FOUNDRY CO., Phillipsburg, N. J., was awarded the contract for various sized pipe at $28.90 per ton, and the contract for 16, 8 and 6-in. gates was awarded to the CHAPMAN VALVE MFG. CO., Indian Orchard, Mass., at $82, $16.65 and $10.35, respectively. THE FLORENCE IRON WORKS, Florence, N. Y., received the contract for hydrants.

NEW HAVEN, CONN.—[illegible] New Haven Water Co. will build a dam [illegible] reservoir at Woodbridge Glen. Eli Wh[illegible] is Pres.

NEW YORK, N. Y.—Pla[illegible] were submitted on Feb. 8 to Herman A. M[illegible] Comptroller, for a $10,000,000 filtration [illegible] in Jerome Park. W. B. Ellison is Com[illegible] Water Supply, Gas and Electricity.

ALBANY, N. Y.—The following bids were received Feb. 5 for furnishing two high duty pumping engines, to be [illegible] at the Quackenbush St. station: [illegible] Mfg. Co., Lockport, N. Y., $139,970; [illegible] Camden Iron Works, Philadelphia, Pa., [illegible],500; Allis-Chalmers Co., Milwaukee, [illegible] first bid, $145,300, and second bid, on changed specifications, $149,700. Isidore W[illegible]man is Clk. Bd. Contract and Supply.

ALBANY, N. Y.—The following bids were received Feb. 5, and rejected [illegible] being excessive, for two high-duty pum[illegible] engines at the Quackenbush St. station: [illegible] Mfg. Co., Buffalo, N. Y., $139,370; [illegible] Camden Iron Works, Philadelphia, Pa., $1[illegible]; the Allis-Chalmers Co., Milwaukee, [illegible] $145,9[illegible]. New bids are asked until 3 p. [illegible] Feb. 19, for furnishing these engines. Isi[illegible] Wachsman, Clk. Bd. Contract and Supply.

MARCELLUS, N. Y.—See [illegible] Sewers.

TRENTON, N. J.—It is [illegible] that the contemplated improvements to [illegible] made to the water plant of this city will consist of installation of additional boilers at the pumping station and the laying of a [illegible]-in. ascending main to the reservoir. N[illegible] on Feb. 8. C. C. Haven is City Engr.

ROCKWOOD, PA.—It is reported that a franchise has been granted to James McSpadden and Penrose Wolf, of this town, and William Wait, of Johnstown, to construct a water-works plant here.

PHILADELPHIA, PA.—Council is considering the appropriation of $250,000 for laying water mains in Broad and Locust Sts. A. Lincoln Acker is Dir. Pub. Works.

FREEMANSBURG, PA.—The Freemansburg Water Co. has been granted permission to lay pipes to supply this town with water. H. M. Urberroth is Supt.

HARRISBURG, PA.—The contract for building a water supply tunnel at the Central Pennsylvania Traction Co.'s plant has been awarded to J. H. LOCHEIM, Mint Arcade Bldg., Philadelphia, at about $40,000.

DELAWARE CITY, DEL.—Bids are asked until 10.30 a. m., Feb. 24, for installing a feed pump, etc., at pumping station, Fort Mott, N. J. Capt. Louis F. Garrard, Jr., Q. M., Fort Du Pont, Delaware City, Del.

WILMINGTON, DEL.—Bids are asked by the board of water commissioners until Feb 19 for furnishing a 12,000,000-gallon pump.

THE EDGE MOOR IRON CO. was awarded the contract for furnishing piping for the new pumping station, at $1,950.

WILMINGTON, DEL.—It is stated that bids will be asked in a short time for furnishing lead and lead-lined iron pipe. T. A. Leisen is Ch. Engr., Water Dept.

BALTIMORE, MD.—The Evergreen Lawn Land & Improvement Co. has awarded a contract to the BALTIMORE COOPERAGE CO. for the erection of a water tank, to hold 50,000 gallons, to be erected at Evergreen Lawn for the purpose of furnishing water to the residents of that vicinity.

WASHINGTON, D. C.—Bids are asked until 11 a. m., March 17, for constructing a pump-house and installing pumping machinery for dry dock, Navy Yard, Charleston, S. C. Mordecai T. Endicott, Chief Bureau Yards and Docks, Washington, D. C. Specifications for this work are on file at office of Engineering News, New York.

WASHINGTON, D. C.—Bids are asked until noon, March 3, for furnishing 600 tons of 8-in. cast-iron water pipe. H. B. Macfarland, Henry L. West, John Biddle, Dist. Comrs. (Advertised, Engineering News.)

EDINBURG, VA.—Town has petitioned the legislature for authority to issue bonds for the construction of water-works. C. H. Fadeley is Mayor.

PARKERSBURG, W. VA.—We are officially informed that the installation of the new $195,000 water plant will not be commenced until June, 1906. G. L. McKibben, Van Wert, O., is Consult. Engr.

COCHRAN, GA.—It is reported that owing to delay in obtaining specifications the date for opening bids for the construction of water-works and electric light plant has been postponed from Feb. 6 to Feb. 20. Arthur Pew, Atlanta, Ga., Engr.-in-Charge. W. B. Denham is City Clk.

ALBERTVILLE, ALA.—We are officially advised that this town has granted to Edgar B. Kay, University of Alabama, Tuscaloosa, Ala., a 30-year franchise for a water-works and light plant. The water-works will consist of about five miles of distribution system, 35 double nozzle hydrants, steel tower and tank, deep well machinery operated by electric power. Power for the light and water-works plant will be derived from the development of Drum Creek Falls, 3½ miles from Albertville. A concrete dam and power-house will be built and turbines of the radial inward flow reaction type with horizontal shafts will be employed with short draft tubes. Work will begin as soon as plans are completed.

CARBON HILL, ALA.—The following contracts have been awarded for materials, etc., for the municipal water-works and light plant: Cast-iron pipe and specials to DIMMICK PIPE CO., Birmingham, Ala.; steel tank and tower to AMERICAN IRON & BRIDGE CO., Chicago, Ill.; valves and hydrants to EDDY VALVE CO., Waterford, N. Y.; two 100 HP. boilers and one 100 four-valve engine to ATLAS ENGINE & BOILER WORKS, Indianapolis, Ind.; pumps to DEANE STEAM PUMP CO., Holyoke, Mass.; alternating apparatus to CROCKER-WHEELER CO., Ampere, N. J.; arc lamps to ADAMS-BAGNALL ELECTRIC CO.; pipe laying to H. N. BUTLER, at the following prices: 4-in., 11 cts.; 6-in., 14 cts.; 8-in., 19 cts. per ft. All pipe to be laid in trenches 3 ft. deep.

BIRMINGHAM, ALA.—It is reported that the issuance of $50,000 of bonds for improving water-works and electric light plants in North Birmingham is being considered. T. H. Friel is Mayor.

TUSKALOOSA, ALA.—Council has voted to invite proposals from water-works contractors to install a plant here and offer a 20-year franchise to lay mains in all unoccupied city.

LAFAYETTE, LA.—$15,000 of water-works bonds have been sold by this city.

HENDERSON, KY.—Bids are asked until Feb. 24 for furnishing about 7,000 ft. of various sizes cast-iron pipe and ten tons of special castings. William Sieber, Supt. Water-works.

IRONTON, O.—It is reported that this city proposes sinking wells into gravel along margin of Ohio River, and to pump direct from these wells, in order to secure a supply of clear water. The city is now supplied from river direct. J. R. C. Brown is Ch. Engr. Bd. Pub. Service.

CINCINNATI, O.—We are officially informed that the contract for constructing the Western Hills pumping station, bids for which were opened Jan. 30, was awarded to CHARLES J. CLOSE, Columbus, O., at $3,930. Other bids were as follows: L. P. Hazen, Cincinnati, O., $55,439; Nicholson Bros., Cincinnati, O., $57,428; Hoke Bros., Cincinnati, O., $64,276. E. C. Prior is Actg. Clk. Bd. Trustees Water-Works Comrs.

ELYRIA, O.—Council has passed an ordinance providing for the extension of the water system to all parts of the city not now furnished with water. L. W. Griffin is City Engr.

MUSKEGON HEIGHTS, MICH.—A special election will be held Feb. 19 to vote on the question of bonding the city for $40,000, to be expended in erecting a pumping station and laying water mains in the principal streets.

GRAND RAPIDS, MICH.—We are officially advised that plans are being prepared for a stand-pipe with reinforced concrete foundation and steel tank, and will not be completed for several weeks. L. W. Anderson is City Engr.

SPRING LAKE, MICH.—A committee of council has been appointed to investigate water plant question and $15,000 of bonds for a stand-pipe system probably will be voted on at an early date.

CHICAGO, ILL.—The following bids were received Feb. 5 for pumps, tanks and high-pressure piping for the Cook County court-house: Thomas & Smith, 17 South Carpenter St., Chicago, $34,795; Gallaher & Speck, 295 Fifth Ave., Chicago, $34,925; L. H. Prentice Co., 24 Sherman St., Chicago, $39,688; M. H. Crane Estate, Security Bldg., Chicago, $43,000; Hanley Casey Co., 35 East Ohio St., Chicago, $43,875.

ELGIN, ILL.—It is reported that this city will build a brick, steel and concrete stand-pipe this spring at an estimated cost of $10,000. R. R. Perkin is Supt. Bd. Water Comrs.

CHICAGO, ILL.—Bids are asked until 11 a. m., Feb. 17, for furnishing a 48-in. hydraulic lift gate valve with necessary by-pass. Joseph M. Patterson, Comr. Pub. Wks.

LONE TREE, IA.—Town has awarded a contract to G. H. MEREDITH, of Cedar Rapids, Ia., to install a water-works system for $8,678. The system will be of the compressed-air type.

WAVERLY, MINN.—It is reported that the contract for constructing a water-works plant on the gravity system for this city was awarded on Feb. 2 to W. D. LOVELL, Minneapolis, Minn., at $12,478. Other bids were as follows: (a) gravity system, (b) compressed air system: J. J. Dunnegan, Shenandoah, Ia., (a) $13,564; Pastorel & Luns, Two Harbors, Minn., (a) $13,101; W. I. Gray & Co., Minneapolis, Minn., (a) $13,100; Dwyer Plumbing & Heating Co., St. Paul, Minn., (a) $14,050, (b) $13,800; Des Moines Bridge & Iron Works, Des Moines, Ia., (a) $13,300; H. Kelly & Co., Minneapolis, Minn., (a) $14,885, (b) $14,925; W. D. Lovell, Minneapolis, Minn., (b) $12,000. ROBINSON & CARY CO. bid only for pumping plant for compressed air system at $2,500, and secured contract for this. Claussen, Burch & Pillsbury, St. Paul, Minn., are Engrs.

BRANDON, MINN.—We are officially advised that all bids for constructing a water system, opened Feb. 6, have been rejected. J. C. Metcalf is Village Recorder.

RAPID CITY, S. DAK.—The following bids were opened Feb. 6 at the office of the Commissioner of Indian Affairs, Washington, D. C., for water plant for Rapid City, S. Dak.: Tom Sweeny Hardware Co., Rapid City, $7,200 and $5,400; time, Aug. 1, 1906. Mullen and Munn, Deadwood, S. Dak., $5,985 and $5,108; time, Sept. 10. Henry Birnbaum, Rapid City, $5,094 and $8,000. A. Watchman, Chicago, Ill., $5,440 and $1,850.

OSWEGO, KAN.—At an election held in this city the proposition to purchase the water plant was voted upon and carried. The plant is to cost $15,000 and an additional $19,900 was voted for extensions and improvements.

FREMONT, NEB.—It is proposed to hold a special election in April to vote on the issuance of $10,000 of bonds for water-works extensions.

FAYETTE, MO.—Council has awarded contracts for the water-works plant, as follows: Building dam, to W. B. COWAN, Fayette, Mo., at $7,059; general construction, to HALL BROS., Clinton, Mo., at $13,300; water tower and tank to DES MOINES BRIDGE & IRON CO., Des Moines, Ia., at $3,328.

DALLAS, TEX.—An election will be held here in April to vote on the question of issuing $300,000 of water-works bonds. E. L. Dalton is City Engr.

MARLOW, IND. T.—It is reported that $20,000 of bonds have been issued for purposes of water-works construction.

OKLAHOMA CITY, OKLA.—Bids are asked until 6 p. m., Feb. 21, for furnishing cast-iron pipe, special castings, hydrants and valves. J. F. Messenbaugh, Mayor; George Hess, City Clk. Burns & McDonnell, Consulting Engrs., Kansas City Mo. Specifications and bidding sheet for this material are on file at office of Engineering News, New York.

DENVER, COLO.—Plans are being prepared by the Denver Union Water Co. for an extension of the Capitol hill reservoir. Estimated cost, $120,000.

TRINIDAD, COLO.—We are officially advised that no engineer has yet been selected to prepare plans and specifications for the proposed water system; $250,000 are available. Previously noted. C. H. Nichols is Mayor.

WALLA WALLA, WASH.—The following bids were received for furnishing pipe for the gravity system of water-works to be installed: (a) Continuous stave, (b) wire wound: Washington Pipe & Foundry Co., Ballard, Wash., (a) $44,310, (b) $51,345; National Wood Pipe Co., Olympia, Wash., (a) in place, $66,232, (a) f. o. b. Walla Walla, $49,678, (b) $48,392; Pacific Coast Pipe Co., Tacoma, Wash., (b) $47,960. The quantities called for were 2,300 ft. 36-in., 52,700 ft. 20-in. and 7,800 ft. 20-in. pressure pipe. The above bids are approximate totals.

SEATTLE, WASH. — THE INTERNATIONAL CONTRACT CO. has been awarded a contract for laying water mains in Sixth Ave., at $13,112.

IMBLER, ORE.—The Grande Ronde Electric Co. and the Amalgamated Sugar Co. are contemplating the installation of a pumping plant of 200 HP. on the river near Imbler.

MONTREAL, QUE.—It is stated that council is considering two new sources of water supply for this city. One is to tap Lake Kilkenny, which is situated 25 miles north of Montreal, at an elevation of 830 ft. above the harbor. The road to be followed by the pipes would be by way of Terrebonne, and from there above the two branches of the Ottawa River, and the Ile Jesu, to St. Juenard, and finally to Montreal. The fall would be 625 ft. for that distance; two 3-in. pipes would furnish 39,000,000 gallons a day. This project would cost $7,300,000. Another scheme is that water should be brought to the city from the Riviere du Nord, in the vicinity of St. Jerome. Pipes could be brought into the city by way of the railway. The distance is 30½ miles. A final project is that the city shall build two filtration basins in St. Gabriel Ward, near the Wheel House. John R. Barlow is City Surv.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

NEW HAVEN, CONN.—Sewer committee of board of aldermen has voted to build a 6-ft. sewer from State St. to the harbor, at an estimated cost of $40,000. C. W. Kelly is City Engr.

NEW YORK, N. Y.—We are officially advised that the following bids were received Feb. 8 for the construction of storm relief tunnel sewer from the Webster Ave. sewer, near Wendover Ave., in the Mill Brook water shed, Sewerage Dist. No. 33, to the Harlem River, north of High Bridge, Borough of Bronx: W. J. Flanagan, Yonkers, N. Y., $635,845; Gallo & Petelli, 127 Mulberry St., New York, $800,547; W. J. Brennan, 755 East 173d St., New York, $904,187; J. H. Locheim, Mint Arcade Bldg., Philadelphia, $768,816; S. M. De Pasquale, Williamsbridge, N. Y., $844,606; George J. Bailey, 1144 Fulton Ave., Brooklyn, $799,899; James Molloy & Co., Bath Beach, L. I., N. Y., $710,071.

ROCHESTER, N. Y.—Contract for construction of Court and William St. outlet sewer, noted on Feb. 8, has been awarded to THOMAS HOLAHAN, at $50,835.

NORWICH, N. Y.—E. F. Musson, Village Engr., has prepared plans for an extension to the sewer system, and matter is being considered by state health commission.

BINGHAMTON, N. Y.—S. M. Baird, City Engr., is preparing specifications for the Fourth Ward sewer system.

MARCELLUS, N. Y.—E. D. Smalley, Surv., has prepared plans for a water and sewer system for this village.

PATERSON, N. J.—About 3,600 ft. of 12-in. sewers will be constructed in several streets in the near future. Robert Dalzell, St. Comr.

HARRISBURG, PA.—We are officially informed that contracts have been awarded to CHARLES FISHER for constructing sewers in two streets at $2,006. W. H. Lynch, Comr. Highways.

PHILADELPHIA, PA.—A. Lincoln Acker, Dir. Pub. Works, has recommended the construction of an intercepting sewer along the bank of Cobb's Creek, at an estimated cost of $200,000.

PHILADELPHIA, PA.—Ordinances have have been submitted to council providing for the immediate expenditure of $350,000 for sewer improvements.

WASHINGTON, PA.—O. K. Taylor, City Engr., is investigating methods of sewage disposal for this city.

LEHIGHTON, PA.—The Lehigh Engineering Co., Commonwealth Bldg., Allentown, Pa., is preparing plans for the construction of sewers, at Lehighton, this spring.

NARBERTH, Pa.—We are officially advised that the following bids were opened Feb. 5 for the construction of a sewer system: Thomas Shea, Boston, Mass., Bid A, $44,558; Bid B, $37,135; Bid C, $2,550; Bid D, $1,547; Bid E, $5,400. Theodore Harsch, Narberth, Pa., A, $43,743; B, $35,525; C, $2,111; D, $1,213; E, $12,000. The Bunting Construction Co., Fuller Bldg., New York, A, $65,000; B, $53,000; C, $53,000; D, $60,509; E, $6,000. Edward M. Mullin & Co., Rothschild Bldg., Philadelphia, Pa., A, $74,021; B, $43,221; C, $1,000; D, $1,000; E, $3,960. D. M. Rosser, 167 South Maple Ave., Kingston, Pa., A, $69,990; B, $45,772; C, $400; D, $2,000; E, $3,600. Castoe & Warner, Bellaire, Ohio, A, $49,200; B, $42,000; C, $1,100; D, $500; E, $6,000. Bowman Bros., McKeesport, Pa., A, $65,000; B, $48,000; C, $1,000; D, $1,500; E, $6,000.

WASHINGTON, D. C.—Bids are asked until Feb. 26 for the construction of a sewer. Henry B. F. McFarland, Dist. Comr.

WASHINGTON, D. C.—The district commissioners have ordered the construction of a service sewer along the west side of Eleventh St., northwest from Irving to Kenyon Sts.

CHARLESTON, S. C.—Council is considering the extension of the sewer system into the second district at a cost of about $40,000.

BIRMINGHAM, ALA.—The issuance of $50,000 of bonds is being considered for a sewer system in North Birmingham. T. H. Friel is Mayor.

LOUISVILLE, KY.—The issuance of $4,000,000 of bonds for a sewer system in this city is under consideration by legislature. J. B. F. Breed is City Engr.

COLUMBUS, O.—We are officially advised that the following sewer contracts have been awarded, bids for which were opened Feb. 2: For the southeast sanitary sewer, to J. C. BEASLEY, at $15,631; in several streets, to C. T. McCRACKEN & CO., at total of $3,541, and FUESTEL & POHLMAN, at $1,448. Julian Griggs is Ch. Engr. Bd. Pub. Service.

MIDDLETOWN, O.—Plans and specifications have been prepared for the construction of a concrete sewer in the Yankee Road, about 1,800 ft. in length and costing about $6,500. Bids will soon be asked.

CINCINNATI, O.—A contract for constructing sewers in several streets has been awarded to J. B. WASHBURN at $11,257.

CLEVELAND, O.—Bids are asked until Feb. 20 for the construction of sewers in a number of streets. A. R. Callow, Sec. Bd. Pub. Serv.

MT. CLEMENS, MICH.—It is reported that the board of public works will advertise for bids in about three weeks for a sewer, 2,400 ft. long, 3½ x 4½ ft. The board will also receive bids in the early spring for a sewer on South Ave. J. W. Irwin is City Engr.

PORT HURON, MICH.—The department of public works contemplates constructing 25,000 ft. of 8 and 10-in. lateral sewers. Bids will be taken in early spring, according to reports. W. W. Phelps is City Engr.

DETROIT, MICH.—J. J. Haarer, Comr. Pub. Works, has estimated that $197,300 will be required for sewer works in this city during 1906.

ELGIN, ILL.—H. Dakin, City Engr., will have specifications ready in a short time for constructing 25 miles of concrete, brick and tile sewers.

ROCHELLE, ILL.—Owing to the fact that all bids were above the estimate for the ten miles of sewer work, noted on Jan. 25, all bids were rejected by the council. New bids were asked until Feb. 15. Iowa Engineering Co., Clinton, Ia., is Engr.

BELLEVILLE, ILL.—We are officially informed that the council has passed ordinances for the improvement of several streets to be sewered and paved with brick, at an estimated cost of $120,000. A sewer system in Highland Addition, at an estimated cost of $10,000, has been provided for. L. L. Harper is City Engr.

MINNEAPOLIS, MINN.—Sewer Engr. Carl Histrup is reported to be preparing plans for a sewer system to drain about six sq. miles, which includes a trunk sewer about 5½ miles in length and from six to ten ft. in diameter. The estimated cost is about $380,000.

ST. PAUL, MINN.—$3,000 have been appropriated for a sewer in Page St. L. E. Rundlett is City Engr.

ST. LOUIS, MO.—It is reported that the contract for a 5-ft. brick sewer in Gimblin Road, bids opened Feb. 2, has been awarded to BUHLER-COONEY CONSTRUCTION CO., Fullerton Bldg., St. Louis, for about $15,000.

TULSA, IND. T.—It is reported that the city will vote Feb. 26 on the issuance of $70,000 of additional bonds for the completion of sewer system and the erection of two school buildings.

STOCKTON, CAL.—It is reported that an election will be held to vote on issuance of $35,000 of bonds for storm sewers. R. C. Tumelty is City Engr.

LEWISTON, IDAHO.—Council is considering the construction of a sewer system, which will drain about 550 acres.

WINNIPEG, MAN.—The construction of sewers, to cost $17,000, has been authorized by council. H. N. Ruttan is City Engr.

WINNIPEG, MAN.—The council is preparing to call for bids for nine miles of sewer pipes, as follows: 5,000 ft. of 4-in., 12,000 ft. of 12-in., 12,000 ft. of 15-in., 8,000 ft. of 18-in. and 2,250 junction pipes of various sizes.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

WEST CHESTER, PA.—Borough Council has purchased a site for the erection of a garbage disposal plant.

FORT BARRANCAS, FLA.—It is reported that the SANITARY ENGINEERING CO., of New York, has the contract for the construction of a garbage crematory at Fort Barrancas for $4,200.

MEMPHIS, TENN.—Board of Health is considering the expenditure of $8,000 for a new garbage crematory.

OCEAN PARK, CAL.—This city soon will ask for bids for a garbage incinerator for which $10,000 of bonds were recently issued.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

WORCESTER, MASS.—The contracts for furnishing curbing and paving blocks have been awarded as follows: the WEBB GRANITE CONSTRUCTION CO., of Worcester, for curb, 53 cets. per ft.; circular, $1.10; round corners, $3.50 each; and for paving to MITFORD QUARRY & CONSTRUCTION CO., Nashua, N. H., at $1.55 per sq. yd. Bids were opened Feb. 1.

PROVIDENCE, R. I.—Council has passed resolution providing for the improvement of Crawford and South Main Sts., at an estimated cost of $142,000. Walter F. Slade is Comr. Pub. Works.

JAMESTOWN, N. Y.—C. G. Jones, Acting City Engr., has prepared estimates of the cost of paving Lake View Ave. as follows: Brick, $2.39; and asphalt, $3.42 per lin. ft.

PEEKSKILL, N. Y.—We are officially advised that the estimated cost of the paving work in the town of Cortlandt, noted on Feb. 8, is about $17,000. It is necessary for those desiring to submit bids to call at the office of the town clerk to examine plans. Bids are asked until March 15, as advertised in Engineering News. S. Allen Mead is Town Clk.

ROCHESTER, N. Y.—The lowest bid received Jan. 30 for repairing asphalt paved streets is reported to have been submitted by Whitmore, Rauber & Vicinus, 270 South Ave., their bid being $1.27 per yd. on 16,000 yds.

JERSEY CITY, N. J.—The contract for improving Greenville Ave. has been awarded to JOHN NOLAN, 108 Bergen Ave., this city, at 95% of standard of cost.

PHILADELPHIA, PA.—Ordinances have been submitted to council providing for the expenditure of $510,000 for paving, grading, curbing, repaving and repairing roads. A. Lincoln Acker is Dir. Pub. Works.

HARRISBURG, PA.—We are officially informed that the BARBER ASPHALT PAVING CO., Land Title Bldg., Philadelphia, has been awarded a contract for paving two streets at $1.77 per sq. yd. with sheet asphalt and 98 cts. per lin. ft. for granite curbing. W. H. Lynch is Comr. Highways.

PHILADELPHIA, PA.—Bids were opened Feb. 2 and contracts awarded for paving during present year as follows: for repairs to cobble, rubble, vitrified brick, asphalt block, slag block and setting crossing stones, to MACK PAVING CO., $80,000; repairs to granite block, to CUNNINGHAM & MURRAY, $5,000; repairs to granolithic, EDWARD RYAN, $10,000; repairs to unpaved macadamized roads, D. MAHON, $136,800; repairs to asphalt streets, FILBERT PAVING CO., 15th and Chestnut Sts., $20,000. A. Lincoln Acker is Dir. of Pub. Works.

BALTIMORE, MD.—Bids are asked for grading about 125,000 or 150,000 yds. Suitable for steam shovel work. Roland Park Co., Roland Park, Baltimore, Md. (Advertised, Engineering News.)

The contract for furnishing 300,000 asphalt blocks for repaving is reported to have been awarded to the MARYLAND PAVING CO., Equitable Bldg., Baltimore, at $151,500.

BALTIMORE, MD.—Contracts have been awarded by the board of awards as follows: Vitrified brick to WILLIAM W. CLARKE & SON; vitrified sewer pipe to WILLIAM W. CLARKE & SON and BALTIMORE TERRA COTTA CO. Bids for crushed stone were rejected and specifications thereon will be reissued shortly. B. T. Fendall is City Engr.

WASHINGTON, D. C.—The district commissioners have reported favorably to the district committee of the House of Representatives, providing for the extension of School St. to Columbia Road, and to further connect the thoroughfare with 14th St., and the establishing of a public park at Columbia Road and 14th St. northwest.

AUGUSTA, GA.—Bids are asked until noon, March 1, for paving several streets with brick or Belgian blocks. Approximate area, 23,000 sq. yds. Nisbet Wingfield, City Engr. and Comr. Pub. Works. (Advertised, Engineering News.)

COLUMBUS, GA.—It is reported that the SOUTHERN BITULITHIC CO., Nashville, Tenn., has been awarded contract for 30,000 sq. yds. of bitulithic paving.

UNIONTOWN, ALA.—According to reports, D. W. Roundal is Engr.-in-Charge of improvements to be made to streets at a cost of $20,000. Noted on Jan. 25. W. J. Valden is Mayor.

PORT GIBSON, MISS.—The county board of supervisors has voted to let out by contract 100 miles of road to be worked. Bids will be asked at once. Address President, Board Supervisors of Claiborne County, Port Gibson, Miss.

CLINTON, TENN.—Bids are asked until March 1 for the construction of about 14¾ miles of pike road from Clinton to Oliver Springs. W. L. Owen, Secy. J. K. P. Wallace, Chn. Comrs.

COLUMBUS, O.—We are officially informed that the following paving contracts have been awarded, bids for which were opened Feb. 2: Eureka Ave., to the CLEVELAND TRINIDAD PAVING CO., at $9,557; Michigan Ave., to N. B. ABBOTT, at $8,966; Capitol St., to W. H. LUCHTENBERG & CO., at $6,265; Maple St., to GEIGELE & GARNES, at $5,927. Julian Griggs is Ch. Engr. Dept. Pub. Service.

TOLEDO, O.—The board of public service has awarded the contract for vitrified brick paving work on Yates St. to KERLIN BROS. at an approximate cost of $5,017.

BLUFFTON, O.—Main St. will be paved this summer, according to reports, at a cost of about $75,000.

CLEVELAND, O.—The following were reported to be lowest bids on paving contracts for several streets, bids for which were opened Jan. 31: Northern Ohio Paving & Construction Co., $12,521; Cleveland Trinidad Paving Co., $91,000, and M. E. Cavanagh, $67,000.

CLEVELAND, O.—It is reported that the following bids were received Jan. 31 for paving a section of 14th St.: Roehl Bros., $68,057; Baldwin Bros. & Graham, $75,194; Northern Ohio Paving & Construction Co., $71,421; John F. Brennan, $68,587, and Cleveland Trinidad Paving Co., $64,537.

VALPARAISO, IND.—The commissioners of Porter County will ask for bids soon for the construction of 25 miles of gravel road.

DECATUR, IND.—Bids are asked until 10 a. m., March 5, for the construction of several gravel roads. C. D. Lewton, County Auditor.

INDIANAPOLIS, IND.—Board of public works is preparing to ask for bids for asphalt paving, cement walks and curbing on several streets. B. J. T. Jeup is City Engr.

NEW ALBANY, IND.—Plans have been completed, it is reported, for improvement of Vincennes St. with vitrified brick, from Main St. to Charlestown Road. E. B. Coolman is City Engr.

VERSAILLES, IND.—Bids are asked until 1 p. m., March 6, for the construction of about 8 1-5 miles of macadam road in Shelby township. Nicholas Volz, County Auditor.

ROCKVILLE, IND.—Bids are asked until 1 p. m., March 5, for the construction of several gravel roads. Henry Grubb, County Auditor.

PORT HURON, MICH.—The department of public works will advertise for bids about April 1 for a 1-year contract for cement sidewalks to be constructed, and will advertise in two weeks for bids for paving with brick, on concrete foundation, Pinegrove Ave., about 9,500 sq. yds. W. W. Phelps is City Engr.

FLINT, MICH.—Bids are asked until 3 p. m., Feb. 19, for paving and curbing work on several streets, requiring about 14,000 sq. yds. of pavement and 11,700 lin. ft. of curbing. D. E. Newcombe, City Clk.

MANISTEE, MICH.—Bids are asked until 2 p. m., March 1, for paving and curbing work on various streets. C. A. Gnewuch, City Clk. George P. Pike, City Surv.

DETROIT, MICH.—J. J. Haarer, Comr. Pub. Works, has submitted an estimate of $513,460 to be expended in 1906 for paving work.

ELGIN, ILL.—H. Dakin, City Engr., will receive bids in the spring for 45,000 sq. yds. of asphalt and brick paving.

BELLEVILLE, ILL.—We are officially informed that ordinances have been passed providing for paving and sewer work in several streets, at an estimated cost of $120,000. L. L. Harper is City Engr.

DAVENPORT, IA.—Council has voted to pave Brady St. with asphalt at an estimated cost of about $7,000. Thomas Murray is City Engr.

DES MOINES, IA.—Bids are asked until March 2 for paving Carpenter Ave. with asphalt, an area of about 4,300 sq. yds. W. W. Wise, Chn. Bd. Pub. Works.

DULUTH, MINN.—Estimates of the cost of paving Winter St. have been submitted as follows: Creosoted blocks, $45,867; sandstone blocks, $45,615; vitrified brick, $38,230; bitulithic macadam, 2-in. wearing service, $39,253; bithulithic macadam, 3-in. wearing service, $46,187.

ST. PAUL, MINN.—THE ST. PAUL CEMENT WORKS was awarded the contract for cement sidewalks for the coming season, its bid being $15,268.

MINNEAPOLIS, MINN.—We are officially informed that the city has awarded a contract for a 10-ton steam road roller to the IROQUOIS IRON WORKS, Buffalo, N. Y., for $2,575. Ellis R. Dutton is Asst. City Engr.

ATCHISON, KAN.—We are officially advised that the contract for paving R St. was awarded to the ATCHISON CRUSHED STONE CO., at $1.29 per sq. yd., and the contract for similar work on Q St. to L. WINES & CO., of this city, at $1.21½ per sq. yd. Both contracts were for vitrified brick on stone foundation. Fred Giddings is City Engr.

LAWRENCE, KAN.—We are officially advised that bids were opened Feb. 5 for improvement of several streets and contract was let to HOSKINS & RAMSEY, Topeka, Kan. On account of informal resolutions the contract for paving about 7,000 sq. yds. on two other streets was not let, and bids will be readvertised. Holland Wheeler is City Engr.

SALINA, KAN.—Bids are asked, it is reported, until Feb. 19 for paving a section of about 26,000 sq. yds. on Santa Fe Ave. H. W. Godfrey, City Clk.

EMPORIA, KAN.—Reports state that it is proposed to pave Sixth Ave., probably with brick on concrete foundation, at a cost of about $60,000. Alva J. Smith is City Engr.

ST. JOSEPH, MO.—W. H. Floyd, Jr., City Engr., will prepare specifications for paving a number of streets with macadam or brick.

DALLAS, TEX.—We are officially informed that a contract has been awarded to C. W. OLCOTT for paving 5,294 sq. yds. with vitrified brick at an estimated cost of $11,327. E. L. Dalton, City Engr.

GALVESTON, TEX.—It is stated that the contract for paving the Sea-wall Boulevard, bids for which were opened Jan. 29, was awarded to H. K. McCULLUM, Fort Worth, Tex., at $1.40 per sq. yd. for vitrified brick.

LAWTON, OKLA.—During this year between $200,000 and $300,000 will be expended by the citizens of Lawton for the construction of sidewalks, it is reported.

VINITA, IND. T.—A committee has been appointed to investigate question of paving and sidewalks. A. L. Churchill is interested.

SEATTLE, WASH.—An ordinance has been passed providing for the improvement of Pike Place, by grading and planking, at an estimated cost of $21,300. Bids probably will be opened for this work some time during March.

RENTON, WASH.—A contract has been awarded to FRED NELSON for the construction of 8,906 ft. of road to connect Renton and Renton Junction at $6,150.

SEATTLE, WASH.—Bids are asked until March 3 for paving 15th Ave. north, with asphalt. Estimated cost is $30,500. C. B. Bagley, Secy. Bd. Pub. Works.

TACOMA, WASH.—We are advised officially that bids will be asked about March 1 for paving Commerce and Jefferson Sts. The estimated costs are $72,470 and $76,071 respectively. Complete estimate of quantities to be required may be seen at office of Engineering News, New York. Frank L. Davis is City Engr.

NEVADA CITY, CAL.—It is proposed to build a road from this city to Washington, a distance of about 6½ miles. The estimated cost is $12,000.

WINNIPEG, MAN.—It is stated that council has authorized the construction of an asphalt pavement on Ellice Ave., to cost $12,000. H. N. Ruttan is City Engr.

ST. BONIFACE, MAN.—City is investigating various methods of paving and will expend about $200,000 on street improvements.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—BENJAMIN FOX, 16 State St., Boston, has been awarded the contract for the factory addition, 551 Tremont St., Boston, for the George Frost Co., to cost about $60,000. Loring & Phipps, 53 State St., Boston, are Archs.

TAUNTON, MASS.—The Dary Ring Traveler Co., of this city, will erect a 2-story shop building for the automobile repair department.

SPRINGFIELD, MASS.—It is reported that extensive repairs are to be made on the plant of the Mason Car Co.'s plant in this city.

NEW YORK, N. Y.—Plans are in progress for a soap factory for Proctor & Gamble, Cincinnati, O., on Staten Island. There will be four manufacturing buildings and a warehouse. Brick, stone and steel. Cost, $1,000,000. Elymer & Anderson, Ingalls Bldg., Cincinnati, O., are Archs.

BROOKLYN, N. Y.—P. Lerzerkowitz, 11 Lewis Ave., Brooklyn, is taking figures on separate contracts for the construction of two factory buildings on Wallabout St., Brooklyn. The buildings will be six stories, brick and concrete, 42 × 94 ft. Samuel Sass, 23 Park Row, New York, is Arch.

BUFFALO, N. Y.—Plans have been completed for two of the buildings for the Otis Elevator Co., 17 Battery Place, New York, on the 35-acre plot recently purchased on Delavan Ave. The buildings will be 100 × 350 ft., one story high.

NEW YORK, N. Y.—We are advised that plans are in progress for a factory at 329 47th St., New York, for Newman & Evans, 335 East 46th St. Building will be four stories, brick, 25 × 100 ft. De Lano & Aldrich, 4 East 39th St., New York, are Archs.

The contract for erecting the factory at 536 West 27th St., for J. Williams, was awarded to C. T. WILLS, 156 Fifth Ave. C. Caldwell, 160 Fifth Ave., New York, is Arch.

NEW YORK, N. Y.—Plans are in progress for a new factory for J. A. Dolan, on Grand and Metropolitan Aves., Williamsburg, L. I. Lewis Leining, Jr., 404 East 20th St., New York, is interested.

Bids for separate contracts are being received by A. Mertin, Arch., 33 Union Square, for a new plant for the Louis Fleischman estate, on Elizabeth St. and Duncombe Ave., Williamsbridge.

NEWARK, N. J.—Plans have been completed and are out for figures for a 4-story addition, 45 × 75 ft., to the factory building for the New Jersey Aluminum Co. Alfred Waters, 45 Clinton St., Newark, is interested.

ATHENIA, N. J.—The contract for constructing the factory for the Richardson Scale Co., 13 Park Row, New York, at this place, as awarded to BAKER BROS., 74 Paulison Ave., Passaic, N. J.

HOBOKEN, N. J.—Plans are in progress for a factory for Keuffel & Essen, on Grand and Third Sts., Hoboken. It will be four stories, brick, 40 × 100 ft. Louis Maystre & Son, Hoboken, are Archs.

ROGERSFORD, PA.—We are informed that the Diamond Glass Works, of this city, will erect a new plant here. No details as to size and equipment have been worked out.

PHILADELPHIA, PA.—The contract for constructing the additions to the cold storage and packing plant for C. B. Medford & Son, on Kensington Ave., was awarded to E. FAY & SON, 2606 Richmond St., Philadelphia.

BALTIMORE, MD.—We are advised that the Montford Machine Casting Co., of this city, is to increase the capacity of its plant here, by the erection of a new foundry 60 × 140 ft., and a boiler and engine house. A cupola of 8 to 10 tons capacity will be installed.

BALTIMORE, MD.—Plans are in progress for an addition to factory for the Darby Candy Co., 700-10 Hillen St., Baltimore. The addition will be five stories, brick, 47 × 130 ft. Charles M. Anderson, 324 North Charles St., Baltimore, is Arch.

MANCHESTER, VA.—Bids have been received for the construction of a factory building for Wingo, Ellett & Crump. Cost, $60,000. Additional buildings will be built later and equipped for manufacturing shoes.

WHEELING, W. VA.—The Citizens Brewing Co. was organized here with a capital stock of $200,000. A site has been selected and a brewery will be erected. H. G. Weiske, Andrew Korn and W. C. Eberts, of Wheeling, are interested.

MARTINSBURG, W. VA.—It is reported that the Crawford Woolen Co. will erect a 2-story brick addition with a capacity of 24 looms.

RAEFORD, N. C.—The Raeford Power & Manufacturing Co., it is reported, will construct a cotton mill here.

ENSLEY, ALA.—It is reported that the Southern Steel Co., formerly the Alabama Steel & Wire Co., of this city, will rebuild its nail plant recently destroyed. Cost, $75,000. It is also reported that the company will make extensive improvements to all its Alabama plants.

LOUISVILLE, KY.—The Standard Sanitary Manufacturing Co. has purchased site on which to erect brass foundry, office buildings, etc. It is reported that the office building will be four stories, of brick, 135 × 80 ft., and cost $30,000, and the brass foundry will be equipped for increasing the present output about 5 per cent. It is estimated that about $50,000 will be expended.

NASHVILLE, TENN.—The Nashville Machine Co. has increased capital stock from $50,000 to $100,000. It is reported that a foundry will be erected at a cost of $50,000.

LEWISBURG, TENN.—It is reported that the Lewisburg Lumber & Manufacturing Co. will build a factory here for the manufacture of building material. C. E. Craig, Lewisburg, is Pres.

CRESTLINE, O.—We are advised that the Crestline Manufacturing Co., of this city, is planning the erection of an addition to its present plant.

JUNCTION CITY, O.—It is reported that the East Ohio Sewer Pipe Co., of Irondale, O., will erect a plant at Junction City to be known as the Junction City Sewer Pipe Co.

NEW PHILADELPHIA, O.—Plans have been completed for a 1-story shop 46 × 126 ft. for J. B. Westhafer. P. R. Murray, New Philadelphia, is Arch.

RACINE, WIS.—The Racine Shoe Co. will erect a new 3-story brick factory building. Cost, $20,000. Racine Bit & Snap Co. is owner.

BOONE, IA.—George W. Nicholson, of Grand Junction, Ia., it is reported, will erect a cold storage and creamery plant here to cost $100,000.

DES MOINES, IA.—We are informed that the Centaur Iron Works, of this city, is planning the erection of an addition to its plant here.

SIOUX CITY, IA.—Plans are in progress for a plant for the Morley Twine Co., at Seventh and Division Sts. It is the intention to erect three buildings at a cost of $100,000. The main factory will be 90 × 320 ft., and there will be two smaller warehouses. J. M. Lewis, Des Moines, is Engr.

MINNEAPOLIS, MINN.—The contract for the construction of the Washburn-Crosby Co.'s new grain elevator on Seventh Ave. south, was awarded to C. F. HAGLIN, of this city. Cost, $300,000.

ST. LOUIS, MO.—The Gilleland Car & Foundry Co., St. Louis, has been incorporated with a capital of $5,000,000, and is considering plans and sites for the construction of a factory to manufacture 60 complete cars a day and equipment for from 150 to 200 cars. The company is successor to the Gilleland Automatic Grain Car Equipment Co. and the Gilleland Ideal Vestibule Stock Car Co. E. B. Gilleland, 4207a Blaine Ave., St. Louis, is Pres.

KANSAS CITY, MO.—The Kansas City Bolt & Nut Co. is reported to be contemplating expending $100,000 in improvements to its plant, doubling the present iron output. It is stated that two additional buildings will be constructed on iron framework, one to be 100 × 75 ft. and one 125 × 40 ft., to accommodate the additional machinery, which will include a machine weighing 100,000 lbs. for converting scrap iron into finished bar iron, a 500-HP. steam engine to operate same, two large heating furnaces, etc.

BEAUMONT, TEX.—It is reported that a plant for the manufacture of dynamite will be established here. L. F. Daniels is interested.

HOUSTON, TEX.—The Houston, Sabine & Red River Railway Co., it is reported, will build roundhouse and shops in East Houston on land owned by the East Houston Development Co., a recent incorporation for development purposes. Edward Kennedy is Vice-Pres.

WALNUT SPRINGS, TEX.—The Texas Central Railroad Co. is reported to have plans in progress for the rebuilding of machine shops and roundhouses here. C. Hamilton, Waco, Tex., is Gen. Mgr.

SPOKANE, WASH.—The contract for constructing the machine and car repair shops here, for the Spokane Traction Co., was awarded to P. L. PETERSON, of this city. Cost, about $65,000.

It is reported that the E. H. Stanton Co. will erect a concrete packing plant here. Cost, about $100,000.

OAKLAND, CAL.—The contract for erecting the first group of buildings for the Union Gas Engine Co., of this city, has been awarded to HANSBROUGH & JOHNSON, of this city.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

RAILWAY SHOP SUPPLIES.—Buffalo, N. Y.—See under Electric Railways.

DITCH.—Frankfort, Ind. Bids are asked until Feb. 17 for construction of the Edgar W. Lane ditch. Henry Moore, Drainage Comr.

DITCH.—St. Cloud, Minn.—Bids are asked at the office of the County Auditor, at St. Cloud, until Feb. 23, for excavating a county ditch, known as Ditch No. 26 of Stearns County.

GRADING. — Baltimore, Md. — Bids are wanted for grading about 125,000 or 150,000 cu. yds. suitable for steam shovel work. Roland Park Co., Roland Park, Baltimore, Md. (Advertised, Engineering News.)

STEEL SHEDS.—New Orleans, La.—The contract for constructing seven steel sheds, bids for which were opened Feb. 6, has been awarded to the BROWN KETCHAM IRON WORKS, of Indianapolis, Ind., at $174,548.

DREDGING.—James River, Va.—Lieut. Col. R. L. Hoxie, U. S. Engrs., has awarded to T. SANFORD ROSS, INC., 277 Washington St., Jersey City, N. J., contract for excavation, dredging, removing rock and constructing and repairing jetties in James River, Virginia, at $175,364. Bids were opened Dec. 22.

FIRE HOSE.—New York, N. Y.—Bids are asked until 11 a. m., Feb. 15, for furnishing and delivering 4,000 ft. [illegible]-in. cotton jacket rubber-lined fire hose. Francis J. Lantry, Comr. Dept. of Corr[illegible], 148 East 20th St.

STONE FOR BULKHEAD.—[illegible] York, N. Y.—Bids are asked until 2 p. [illegible] Feb. 23, for furnishing and delivering ab[illegible] 14,918 cu. ft. of stone for bulkhead or [illegible] wall (contract No. 978). J. A. Ben[illegible] Comr. of Docks.

FIRE ALARM SYSTEM.—K[illegible]ville, Ind. —We are officially advised by [illegible]yor James Graves that city contemplate[illegible] purchase of a fire alarm system, hose wagon[illegible] nozzles, extinguishers, ladders and [illegible]aratus for fighting fire.

DITCH.—Martinsville, Ind.—[illegible] are being asked by the county commis[illegible] for the construction of the Morgan [illegible] ditch. Estimated cost, $45,000. H[illegible] Johnson, Engr., has been appointed Su[illegible]intendent of Construction.

REHANDLING MACHINE[illegible] Philadelphia, Pa.—Bids are asked until no[illegible] March 15 for constructing rehandling [illegible]chine for dredged material. Major J. [illegible] Sanford, U. S. Engrs., Witherspoon Bldg., Philadelphia. (Advertised, Engineering News.)

PIER.—Norfolk, Va.—Bids a[illegible] asked until Feb. 17 by the Jamestown E[illegible]ition Co. for constructing a landing pi[illegible] A deposit of $10 required upon plans and [illegible]fications, which may be had from the A[illegible] Architects and Engineers, New Centu[illegible] Bldg.

FREIGHT STEAMER.—Bal[illegible], Md.—THE MARYLAND STEEL CO., [illegible] Baltimore, has received the award of a contract for constructing a new freight ste[illegible] for the Baltimore Steam Packet Co., for service between Baltimore and Norfolk. Noted on Jan. 25.

CANAL.—New Iberia, La.—Walter Y. Kemper, Engr., Franklin, La., is reported to have stated that LOUIS ANGE[illegible], of New Iberia, has secured the contract for constructing 26¾ miles of canal in Iberia Parish, for $45,990. Work will be completed in two years.

STONE CRUSHER, ETC.—St. Cloud, Minn. —We are officially informed that bids are asked by H. J. Limperich, City Clk., until March 5, for one 10 to 12-ton per hour stone crusher, jaw or gyratory; one 24-ft. elevator and one 3-section, 24-in. screen. J. E. Hill, City Engr.

FERRYBOATS, MATERIALS.—New York, N. Y.—Bids are asked until 2 p. m., Feb. 23, for furnishing all labor and materials required for furnishing and delivering miscellaneous duplicate parts for municipal ferryboats (contract No. 946). J. A. Bensel, Comr. of Docks.

CONCRETE, EXCAVATION.—Flat River, Mo.—We are officially informed that the ABBOTT-GAMBLE CO., 32 Broadway, New York, has been awarded a contract by the Federal Lead Co., for placing 12,000 yds. of concrete and the excavation of 12,000 cu. yds. of rock at Flat River, Mo.

CEMENT.—Washington, D. C.—Specifications and bidding sheet are on file at office of Engineering News for furnishing 12,000 bbls. of Portland cement for the U. S. Soldiers' Home. Bids are asked until Feb. 28 as advertised in Engineering News. Capt. John Stephen Sewell, Engr.

CEMENT.—Los Angeles, Cal.—Bids are asked until 10 a. m., March 16, at office of U. S. Reclamation Service, Union Trust Bldg., Los Angeles, for furnishing 8,000 to 10,000 bbls. Portland cement. E. A. Hitchcock, Secy. Dept. Interior, Washington, D. C. (Advertised, Engineering News.)

STEAM HAMMER.—Chicago, Ill.—Bids are asked until Feb. 17 by the Department Public Works for furnishing to the city waterworks repair shop, 22d St. and Ashland Ave., one 1,100-lb. single frame steam hammer, all prices to be f. o. b. cars at waterworks repair shops. J. M. Patterson, Comr.

FIRE ALARM SYSTEM.—Rochester, N. Y. —It is reported that the Board of Contract and Supply has rejected bids recently received for the new fire alarm system. New bids will be received. The bids opened for the fire alarm system were from the Star Electric Co., of Binghamton, for $26,350, and the Gamewell Co., 19 Barclay St., New York, for $37,900.

CEMENT.—Nampa, Idaho.—Specifications are on file at office of Engineering News, New York, for furnishing about 14,000 bbls. Portland cement, f. o. b. cars, at stations on the Oregon Short Line system within a radius of 25 miles from Nampa, Idaho. E. A. Hitchcock, Secy. Dept. Interior, Washington, D. C. Bids are asked until March 9.

TUNNEL, Boston, Mass.—Bids are asked until noon, March 6, for constructing section 8 of the Washington St. tunnel. The structure will be mainly of concrete and steel, and will be for two railway tracks. Specifications and forms of contract can be obtained at 15 Beacon St., Boston Transit Commission, B. Leighton Beal, Secy.

POWDER TANKS.—Washington, D. C.—Specifications and bidding sheet are on file at office of Engineering News, New York, for delivering f. o. b., at place of manufacture, 3,000 6-in. and 1,000 8-in. powder tanks for the U. S. Navy. Bids are asked until March 13, as advertised in Engineering News. H. T. B. Harris, Paymaster-Gen., U. S. N.

CONCRETE QUAY WALL.—Bremerton, Wash.—Bids are asked by Mordecai T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., March 31, for constructing a concrete quay wall at the navy yard, Puget Sound, Bremerton, Wash. Specifications are on file at office of Engineering News, 220 Broadway, New York.

FREIGHT BOATS. — Cleveland, O. — The Weston Transit Co., of Tonawanda, N. Y., has placed contracts with the AMERICAN SHIPBUILDING CO., of Cleveland for three boats to be the largest freight carriers on the lakes. The vessels will cost $500,000 each. They will be 605 ft. over all, 60 ft. beam, 32 ft. deep and have a capacity of 13,000 gross tons.

STEEL BARS.—Glendive, Mont.—The Secretary of the Interior has authorized the engineer of the Reclamation Service at Glendive, Mont., to receive sealed bids for furnishing about 427,000 lbs. of square steel bars for reinforcement of concrete. Particulars may be obtained by application to the Chief Engineer, of the Reclamation Service, U. S. Geological Service.

STEEL CAISSON.—Charleston, S. C.—Bids were opened Feb. 10, at the Bureau of Yards and Docks, Navy Dept., Washington, for constructing a steel caisson for dry dock, No. 1, at the Navy Yard, Charleston, S. C., as follows: Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $89,500 and $85,500; William Cramp & Sons Ship & Engine Building Co., Philadelphia, Pa., $105,750; time six months.

CANAL.—Roswell, N. M.—We are officially informed that the following bids were received on Feb. 1, at the office of the U. S. Reclamation Service, Roswell, for the construction and completion of canals and laterals about eight miles southwest of Roswell. W. M. Reed, Constructing Engr.: T. F. CAZIER, Roswell, $10,115 (awarded contract); Wood, Bancroft & Doty, Omaha, Neb., $14,315. Laterals are two ft. wide at bottom and two to 2½ ft. from top of embankment to bottom of lateral.

LEVEES, ETC.—Kansas City, Kan.—We are officially advised by L. J. Gilles, Secy. the Kaw Valley Drainage District, Lyons' Hall, Armourdale, Kan., that at the election held Jan. 30, in the Kaw Valley Drainage District of Wyandotte County, Kan., the District was authorized to issue bonds for $200,000 for construction of levees and removal of obstructions from the Kansas River; also, to issue bonds for $325,000 for right-of-way, construction of levees and removal of earth from the river. The bonds are to be issued by the Kaw Valley Drainage District under the provisions of Chapter 215, Session Laws of 1905. The Federal Court has issued a restraining order against issuing the bonds pending an application for a temporary injunction to be heard Feb. 15.

PIERS.—Baltimore, Md.—Bids were opened Feb. 7, by the Board of Awards, for constructing the first three piers of the new dock system. The bids include the removal of all the present wharves and bulkheads, including all stone, timber and piles, excavation of all materials above and below mean low water to a depth of 24 ft. below mean low water within the limits. The bids on the total work are as follows, the second figure being an alternate bid for white oak in fenders: DEGNON CONTRACTING CO., 21 Park Row, New York, N. Y., (a) $230,972, (b) $234,822. Sanford & Brooks, Baltimore, Md., (a) $295,524, (b) $300,528; District Construction Co., Washington, D. C., (a) $323,535, (b) $328,802; McLean Contracting Co., New York, N. Y., (a) $372,057, (b) $378,074; Broderick & Wind, Baltimore, Md., (a) $391,158, (b) $397,084; Bernard Rolf, New York, N. Y., (a) $400,772, (b) $407,874; J. H. Lauchheimer & Co., Philadelphia, Pa., (a) $420,791, (b) $426,516. The contract has been awarded to the DEGNON CONTRACTING CO. at $230,792. It is stipulated that the work be started March 1, 1906, and completed by Sept. 15, 1907.

CANAL.—Boise, Idaho.—Bids were received at the office of the United States Reclamation Service, Boise, Idaho, on Feb. 1, for the construction of a dam in the Boise River, main canal, 27 miles in length, and two earthen embankments, involving the placing of 1,950,000 cu. yds. of earth and gravel and 27,000 cu. yds. of concrete masonry, the excavating of about 1,400,000 cu. yds. of earth and the furnishing of about 65,000 lbs. steel, 162,000 lbs. cast iron, and 450,000 ft. B. M. of lumber, in connection with the Payette-Boise project, Idaho. The following is a complete schedule of the bids submitted on each section or schedule of the work: Schedule No. 1, dam and diverting works on Boise River—Utah Fireproofing Co., Salt Lake, $158,950; P. McDonnel, Duluth, Minn., $159,950; Bates & Rogers Construction Co., Chicago, $185,950; Faris & Kesl, Boise, $194,625. Schedule No. 2, main south side canal from Boise River to Indian Creek—Hubbard & Carlson, Boise, $232,725. Schedule No. 3, main canal from Indian Creek to Deer Flat reservoir—Conway & Willhite, Star, Idaho, $95,400; Hubbard & Carlson, Boise, $100,340; Page & Brinton, Salt Lake, $101,460. Schedule No. 4, structures on canal from Boise River to Deer Flat reservoir—Page & Brinton, Salt Lake, $48,855; Faris & Kesl, Boise, $70,562.50. Schedule No. 5, upper Deer Flat embankment and diverting works—P. McDonnel, Duluth, Minn., $382,150; Hubbard & Carlson, Boise, $389,950; Faris & Kesl, Boise, $411,250. Schedule No. 6 (a), lower Deer Flat embankment—P. McDonnel, Duluth, $382,150; Faris & Kesl, Boise, $496,500. Schedule No. 6 (b)—Hubbard & Carlson, Boise, $256,550; P. McDonnel, Duluth, $306,175; Page & Brinton, Salt Lake,, $322,300; Faris & Kesl, Boise, $332,500; Clement & Strange, Salt Lake, $341,200. The (a) schedule of the reservoir enbankment is larger in all the bids than the (b) schedule. The first involves the handling of about 100,000 cu. yds. of additional earth and gravel. The government reserves the right to adopt either plan. In schedule No. 7, for the gates and lifting devices, bids were submitted by request of the reclamation engineers for both one-speed lifting devices and for two-speed devices. The bids were as follows: One-speed devices—Chapman Valve Manufacturing Co., Indian Orchard, Mass., $12,928; United Iron Works, Oakland, Cal., $15,045; Monad Engineering Co., New York, $16,846; New Jersey Foundry & Machine Co., New York, $17,715; Coldwell-Wilcox Co., Newburg, N. Y., $21,022; Camden Iron Works, Camden, N. J., $22,280; Page & Brinton, Salt Lake, $25,900; I. P. Morris Co., Philadelphia, $32,020. Two-speed devices—Monad Engineering Co., New York, $17,598; New Jersey Foundry & Machine Co., New York, $18,535; Camden Iron Works, Camden, N. J., $23,280. Supervising Engineer is D. W. Ross; Consulting Engineer, A. J. Wiley; Consulting Engineer, E. G. Hopson; and Construction Engineer, F. C. Horn.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

ELECTRIC LIGHT PLANT.—Panama.—The Isthmian Canal Commission has passed a resolution authorizing the construction of an electric light and power plant for Culebra and Empire, Canal Zone, at a cost of $55,000.

CONCRETE HOTEL.—San Juan, P. R.—Contractors wishing to bid on a 3-story concrete or hollow concrete block hotel are requested to communicate with the Corporate Organization & Audit Co., 30 Broad St., New York. (Advertised, Engineering News.)

FIRE APPARATUS.—Panama.—The Isthmian Canal Commission will soon issue a call for bids on a complete fire engine establishment, including a steam fire engine, chemical engine and hook and ladder wagons, etc.; also for 50,000 ft. of ¾-in. galvanized iron pipe and fittings.

CONTRACT PRICES.

The names of parties awarded contracts are printed in capital letters.

BRIDGES.—Brooklyn, N. Y.—Bids were received on Jan. 30 by John H. Dwyer, Engr.-in-Charge, Brooklyn Grade Crossing Commission, for highway and railroad bridges on the Brighton Beach improvement, for work scheduled under proposals 2 and 3: (1) Milliken Bros., 11 Broadway, New York; (2) Fort Pitt Bridge Works, 45 Broadway, New York; (3) McClintic-Marshall Construction Co., 13 Park Row, New York; (4) King Bridge Co., 277 Broadway, New York; (5) Hay Foundry & Iron Works, Newark, N. J.; (6) Passaic Steel Co., Paterson, N. J.; (7) Louis F. Shoemaker, Philadelphia, Pa.; (8) American Bridge Co., 42 Broadway, New York; (9) Berlin Construction Co., 220 Broadway, New York. Highway and railroad bridges, approximately 1,950 tons. At shops, price per lb.: (1) .0350 cts., (2) .0335 cts., (3) .0338 cts., (4) .0355 cts., (5) .0362 (6) .0365 cts., (7) .0363 cts., (8) .035 cts., (9) .0375 cts. Erection, price per lb.: (1) .0150 cts., (2) .0190 cts., (3) .0172 cts., (4) .0170 cts., (5) .0158 cts., (6) .0160 cts., (7) .0162 cts., (8) .0175 cts., (9) .0175 cts. Total, delivered and erected: (1) $195,000, (2) $204,750, (3) $198,900, (4) $204,750, (5) $202,800, (6) $204,750, (7) $204,725, (8) $204,725, (9) $214,500. Overhead girders (150 tons). Date of completion of work: (1) Before May 1, 1907; (2) May 1, 1907; (3) May 1, 1907, (4) May 1, 1907; (5) as specified; (6) May 1, 1907; (7) twelve months from award; (8) four months after shipment; (9) May, 1907. At shops, price per lb.: (1) .0380 cts., (2) .0405 cts., (3) .0375 cts., (4) .0500 cts., (5) .0389 cts., (6) .0397 cts., (7) .0395 cts., (8) .0450 cts., (9) .0395 cts. Erection, price per lb.: (1) .0095 cts., (2) .0120 cts., (3) .0110 cts., (4) .0110 cts., (5) .0093 cts., (6) .0128 cts., (7) .0095 cts., (8) .0150 cts., (9) .0090 cts. Total, delivered and erected: (1) $14,250, (2) $15,550, (3) $14,550, (4) $18,300, (5) $14,400, (6) $15,750, (7) $14,700, (8) $18,000, (9) $14,550. Account, extra work: (1) 25%, (2) 30%, (3) 30%, (4) 30%, (5) 20%, (6) 25%, (7) 45%, (8) 25%, (9) 25%. Bids are based on maintaining Brighton Beach traffic on present right-of-way. Supplementary bids, based on diverting Brighton Beach traffic to the tracks of the Long Island Railroad Co., south of crossing, as follows. No supplementary bids for posts and girders. At shops price per lb.: (1) .0350 cts., (2) .0335 cts., (3) .0338 cts., (4) .0355 cts., (5) .0362 cts., (6) .0395 cts., (7) .0393 cts., (8) .0350 cts., (9) .0375 cts. Erection, price per lb.: (1) .0110 cts., (2) .0132 cts., (3) .0130 cts., (4) .0120 cts., (5) .0113 cts., (6) .0112 cts., (7) .0117 cts., (8) .0145 cts., (9) .0135 cts. Total, delivered and erected: (1) $179,400, (2) $182,130, (3) $182,520, (4) & (5) $185,250, (6) $186,030, (7) $187,200, (8) $193,050, (9) $198,995. Date to be the same as for regular bids and the same percentage. Proposal No. 3 for furnishing and erecting 5-ft. iron fence on retaining walls, fence to be erected between Church Ave. and the Long Island Railroad crossing, 12,500 lin. ft.: (1) Wayne Iron Works, Philadelphia, Pa.; (2) Anchor Post Iron Works, 15 Cortlandt St., New York; (3) F. E. Carpenter Co., 7 Warren St., New York; (4) Eagle Iron Works, 403 East 117th St., New York; (5) Belmont Iron Works, Philadelphia, Pa.; (6) Hecla Iron Works, 118 North 11th St., Brooklyn; (7) J. L. Mott Iron Works, 88 Beekman St., New York. Price per lin. ft., (1) $1.39, (2) $1.58, (3) $1.59, (4) $1.83, (5) $1.97, (6) $2.25, (7) $2.40. Amount: (1) $17,375, (2) 19,750, (3) 19,875, (4) $22,875, (5) $24,625, (6) $27,125, (7) $30,000. Extra work: (1) 10%, (2) 15%, (3) 10%, (4) 15%, (5) 15%, (6) 10%, (7) 10%.

ELEVATORS.—Washington, D. C.—The two bids received on Jan. 5 for elevators for the Department of Agriculture were as follows: (a) labor and materials, 6 elevators; (b) omitted deduction A-1 & B-1; (c) additional safety to 6 elevators; (d) additional safety to 4 elevators; (e) additional safety in lieu of guide grips, 6 elevators; (f) additional safety in lieu of guide grips, 4 elevators; (g) additional safety device; (h) car indicators: Otis Elevator Co., 17 Battery Pl., New York, N. Y., (a) $24,975, (b) $7,780, (c) $6,000, (d) $4,000, (e) $5,100, (f) $3,400, (g) Security Elev. Safety Co., (h) $100; Marine Eng. & Mach. Co., 126 Liberty St., New York, N. Y., (a) $29,100, (b) $9,300, (c) $7,800, (d) $5,200, (e) $7,800, (f) $5,200, (g) Hanford Safety, (h) $125.

SEWAGE DISPOSAL.—Waterbury, Conn.—The bids on Section No. 2 were as follows: (a) Jas. Molloy & Co., Brooklyn, N. Y.; (b) FRED T. LEY & Co., Springfield, Mass. (awarded contract); (c) Coleman Bros., Boston, Mass.; (d) Crouse Constr. Co., Perth Amboy, N. J.; (e) Richards & Gaston, New York, N. Y.; (f) Patrick McGovern, Boston, Mass.; (g) Bell Eng. & Constr. Co., New York, N. Y.:

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1,160 lin. ft. earth excavation, Sec. A, open trench	$3.00	$4.50	$6.00	$4.72	$5.00	$4.50	$5.55
620 lin. ft. earth excavation, Sec. B, open trench	3.75	2.10	6.00	4.78	4.50	1.75	5.81
100 lin. ft. earth excavation, Sec. C, open trench	3.50	4.75	6.00	4.95	5.50	3.75	5.45
6,500 cu. yds. borrowed earth	.50	.40	.40	.67	.50	.60	.90
20 cu. yds. rock excavation, open trench	3.00	3.50	5.00	3.50	4.00	5.00	4.00
1,160 lin. ft. masonry main carrier, Sec. A, open trench	4.00	3.50	4.20	4.10	5.00	5.50	4.95
620 lin. ft. masonry main carrier, Sec. B, open trench	6.00	6.75	8.50	8.10	9.00	11.00	7.75
100 lin. ft. masonry main carrier, Sec. C, open trench	10.00	3.75	4.20	10.50	5.50	6.00	5.60
5 cu. yds. concrete masonry, Class A	12.00	8.50	9.75	6.75	8.50	10.00	9.00
20 cu. yds. concrete masonry (outside limits of stand. secs.) Class B	10.00	7.50	9.00	6.75	8.00	10.00	8.00
20 cu. yds. concrete masonry (outside limits of stand. secs.) Class C	8.00	7.00	8.00	7.25	7.50	8.00	7.50
20 cu. yds. brick masonry	15.00	17.00	16.00	12.42	12.00	20.00	14.75
2,000 sq. yds. slope paving	2.00	3.00	1.50	2.75	3.00	3.50	2.40
Lump sum bid culvert and sewer inlets	200.00	330.00	200.00	210.00	1,000.00	300.00	150.00
Totals	$23,595	$25,119	$28,291	$30,335	$31,872	$32,390	$33,075

SEWAGE DISPOSAL WORKS.—Waterbury, Conn.—Bids were received on Dec. 30 for Sections 1 and 2 of main carrier, sewage disposal works. The itemized bids on Section No. 1 were as follows: (a) CROUSE CONS. CO., Perth Amboy, N. J. (awarded contract); (b) Jas. Malloy & Co., Brooklyn, N. Y.; (c) Bell Eng. & Cons. Co., New York, N. Y.; (d) Coleman Bros., Boston, Mass.; (e) Richards & Gaston, New York, N. Y.; (f) Patrick McGovern, Boston, Mass.; (g) Fred T. Ley & Co., Springfield, Mass.:

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1,945 lin. ft. earth excavation, Sec. A, open trench	$6.20	$8.00	$6.50	$9.50	$9.00	$8.50	$10.75
578 lin. ft. earth excavation, Sec. B, tunnel	12.10	14.00	13.20	15.00	12.50	14.00	21.00
1,220 lin. ft. earth excavation, Sec. C, open trench	7.50	10.00	9.50	12.50	10.00	9.25	15.00
17 lin. ft. earth excavation, Sec. D, tunnel	20.50	25.00	20.00	20.00	20.00	24.00	20.00
190 lin. ft. earth excavation, Sec. E, open trench	8.20	8.00	7.50	10.00	10.35	9.00	10.75
25 cu. yds. rock excavation, Class A, open trench	3.50	5.00	4.00	5.00	4.00	6.00	3.50
25 cu. yds. rock excavation, Class B, tunnel	5.50	10.00	7.00	10.00	8.00	12.00	4.50
60 cu. yds. brick masonry (except in tunnel arch)	12.42	15.00	14.70	15.00	12.00	18.00	17.00
1,945 lin. ft. masonry, main carrier, Sec. A, open trench	3.54	4.00	4.90	4.20	5.00	6.00	3.45
578 lin. ft. masonry, main carrier, Sec. A, tunnel	6.48	6.00	9.45	7.00	9.00	12.00	7.25
1,220 lin. ft. masonry, main carrier, Sec. C, open trench	11.29	10.00	11.90	8.50	11.00	14.00	8.90
17 lin. ft. masonry, main carrier, Sec. D, tunnel	15.59	25.00	17.20	24.00	20.00	27.00	30.00
190 lin. ft. masonry, main carrier, Sec. E, open trench	5.59	5.00	5.54	6.00	5.00	5.00	3.75
100 cu. yds. concrete masonry (outside limits of stand. secs.) Class B	7.75	10.00	7.90	9.00	8.00	10.00	7.50
100 cu. yds. concrete masonry (outside limits of stand. secs.) Class C	7.62	8.00	7.10	8.00	7.50	7.50	7.00
1,500 sq. yds. slope paving	2.75	2.00	2.50	1.50	3.00	3.50	3.00
Lump sum bid inlet and connections	190.00	500.00	190.00	200.00	300.00	500.00	125.00
Lump sum bid trunk sewer connections	5,646.00	8,000.00	6,000.00	5,000.00	5,000.00	5,000.00	5,250.00
Lump sum bid timber bulkhead	50.00	25.00	25.00	50.00	150.00	200.00	25.00
Totals	$70,843	$80,050	$80,449	$82,205	$82,312	$93,292	$93,625

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 61.

CONCRETE HOTEL.

Porto Rico.

Contractors who might wish to bid on a contract for the erection at San Juan, Porto Rico, of a three-story hotel to be built of concrete or of hollow concrete blocks run in a blocking machine on the premises (area about twenty thousand (20,000) square feet per floor, are requested to send their names and addresses to Corporate Organization & Audit Company, 30 Broad street, New York City, stating financial ability, business experience and qualifications. 7-1t

ENGINE AND ELECTRICAL MACHINERY.

Hudson, N. Y.

Sealed proposals suitably endorsed on envelope for New Belted Engine, Resetting Old Dynamo and Extension to Switchboard, Changes to present Piping and Connections to New Engine, New Brick Partition in Boiler House, at New York State Training School for Girls, Hudson, N. Y., will be received up to twelve o'clock M. on Saturday the 24th day of February, 1906, by Charles H. Strong, President of the Board of Managers, at 54 William St., New York City, when the bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at the office of C. H. Strong, 54 William St., New York; at the New York State Training School for Girls, Hudson, N. Y., or by application to G. L. Heins, State Architect, in the Capitol, at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved. 7-1t

U. S. ENGINEER OFFICE, Savannah, Ga., January 30, 1906.—Sealed proposals for repairing and raising the training wall in Brunswick Inner Harbor, Ga., and the jetty at the mouth of Jekyl Creek, Ga., will be received at this office until 12, noon (Eastern Standard Time), March 2, 1906, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. JAMES B. QUINN, Lieut. Col., Corps of Engineers, U. S. Army. 5-4t

PROPOSALS will be received at the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., until 10 o'clock a. m., March 13, 1906, and publicly opened immediately thereafter, to deliver f. o. b. at place of manufacture 3,000 6-inch and 1,000 8-inch powder tanks for the U. S. Navy. Applications for proposals should refer to Schedule 364. Blank proposals will be furnished upon application to the navy pay office, New York, N. Y., or to the Bureau. H. T. B. HARRIS, Paymaster-General, U. S. N. 6-2t

PROPOSALS FOR PUBLIC CONVENIENCE STATION.—Office of the Commissioners, D. C., Washington, D. C., February 2, 1906.—Sealed proposals will be received at this office until 12 o'clock m., Wednesday, February 21, 1906, to construct Public Convenience Station Number One, and separate proposals for plumbing therein. Forms, specifications and necessary information may be obtained at this office. HENRY B. F. MACFARLAND, HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 6-2t

U. S. ENGINEER OFFICE, Savannah, Ga., January 30, 1906.—Sealed proposals for dredging in Waterway between Savannah, Ga., and Fernandina, Fla., will be received at this office until 12, noon (Eastern Standard Time), March 2, 1906, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. JAMES B. QUINN, Lieut. Col., Corps of Engineers, U. S. Army. 5-4t

WATER-WORKS BONDS.

Sealed bids will be received by the Board of Improvement at Osceola, Ark., until ten o'clock a. m., March 3, 1906, for $34,000.00 worth of 5% 20-year water-works bonds.

The Board of Improvement reserves the right to reject any and all bids.

Address BOARD OF IMPROVEMENT,
7-2t Osceola, Ark.

SEALED proposals, endorsed "Proposals for Wharf," will be received at the Bureau of Equipment, Navy Department, Washington, D. C., until 11 o'clock a. m., April 9, 1906, and then and there publicly opened, for constructing a wharf at the U. S. Naval Coal Depot, Hospital Cay, Guantanamo, Cuba. Plans and specifications may be obtained on application to the Bureau of Equipment. WM. S. COWLES, Chief of Bureau. February 6, 1906. 7-2t

BASCULE BRIDGE.

Camden, N. J., Feb. 6, 1906.

Sealed proposals addressed to the Bridge Committee of Camden County, and endorsed as follows: "PROPOSALS FOR ERECTING A STRAUSS TRUNION BASCULE BRIDGE ACROSS COOPER'S CREEK AT FEDERAL ST., CAMDEN, N. J.," will be received by its clerk at Camden, N. J., on Wednesday, Feb. 28, 1906, at 2 p. m., and will be immediately opened and publicly read. The work for which said tenders are invited, includes supplying all materials for the sub and superstructure of said bridge and erecting same complete according to the plans and specifications furnished by the County and now on file in the office of the County Collector at Camden, N. J., and also a separate price for the temporary bridge.

Each bid must be accompanied by a certified check in the amount of $3,000, and shall be made payable to the order of J. W. Sell, County Collector. Said checks will be held until all the bids for said structure have been canvassed and the contract awarded and signed. The return of said check to the bidder to whom the award shall have been made is conditioned upon his appearing within ten days after receiving notice of such award and executing the contract and giving a bond satisfactory to the Board of Chosen Freeholders for the fulfillment of the contract, in the penal sum, of $40,000.00.

No bid will be received or considered unless plainly endorsed as above specified, together with the name of the firm bidding and the individual names and residences of the bidders.

The Committee reserves the right to reject any or all bids and judge as to responsibility of bidders.

A complete set of drawings and specifications will be furnished on receipt of application, with $2.50, by F. W. George, clerk, at the Court House in Camden, N. J.

Camden Co. Board of Freeholders,
By GEORGE W. WHYTE,
Chairman Bridge Committee
J. B. STRAUSS, Consulting Engineer.
J. J. ALBERTSON, Camden County Engineer. 7-2t

SEWERS.

Kirkwood, Mo.

Notice is hereby given that the board of aldermen of the City of Kirkwood, Missouri, will, on

THE 24TH DAY OF FEBRUARY, 1906,

at 8 o'clock p. m., at the city board room, open sealed bids for the construction of district sewers in sewer district Nos. 1 and 3, in accordance with the provisions of Ordinance No. 346, and ordinances providing for sewer construction of said city.

Plans and specifications for the above work may be seen at the office of the city clerk.

All bids must be filed with the city clerk on or before 7 o'clock p. m., February 24, 1906, and shall be accompanied by a certified check payable to the mayor of the City of Kirkwood, for a sum equal to 10 per cent. of the bid.

The board of aldermen reserves the right to reject any or all bids.

Given by order of the board of aldermen of the City of Kirkwood.

Witness my hand and the seal of the City of Kirkwood, this 2d day of February A. D., 1906.
[SEAL]
J. G. HAWKEN,
City Clerk.
7-1t

NOTICE TO VALVE AND HYDRANT MANUFACTURERS.

Oklahoma City, O. T.

Sealed proposals will be received by the city clerk of Oklahoma City, Oklahoma, up to 6 o'clock p. m. of the 21st day of February, 1906, for furnishing f. o. b. cars at Oklahoma City, Oklahoma, all hydrants and valves required by the city of Oklahoma City for the construction of the extensions to the C system of water-works, in accordance with the plans and specifications on file.

Specifications, instructions to bidders and blank proposals may be obtained from the city clerk of Oklahoma City, Okla., or from the consulting engineers, Kansas City, Missouri.

Each bid must be accompanied by a certified check of Five Hundred ($500) Dollars.

The city reserves the right to reject any and all bids.

J. F. MESSENBAUGH,
(SEAL) Mayor.
GEO. HESS, City Clerk.
BURNS & McDONNELL, Consulting Engineer, 709-10 Dwight Bldg., Kansas City, Mo.
Specifications are on file at the office of Engineering News, N. Y. 7-1t

WAHA IRRIGATION SYSTEM.

Lewiston, Idaho, February 1, 1906.

Sealed proposals will be received at the office of the Waha-Lewiston Land & Water Company, at Lewiston, Idaho, until 3 P. M., February 28, 1906, for the construction of 18 miles of Flood-water, Catchment Ditch, 4 miles of Main Supply Ditch and 2 Storage Reservoirs, situated on Craig Mountain, Nez Perce County, Idaho.

This work involves the handling of some 310,000 cubic yards of earth, 298,000 cubic yards of rock and construction of about 18,000 cubic yards of concrete and other masonry, and about 4,000 lineal feet of tunnels.

A certified check, or a Trust Company's Proposal Bond, for a sum equal to 5% of the amount of the bid must accompany each bid, and the successful bidder will be required to enter into a contract at once and furnish satisfactory bond in the sum equal to 40% of the amount of the contract as a guarantee of the proper execution of the contract within the time specified.

The company reserves the right to reject any and all bids.

Bids will be received (1) for the construction of the ditches, (2) the reservoirs and (3) the tunnels, or for the entire work.

Plans and specifications are on file at the office of the company at Lewiston, Idaho.

Additional information furnished upon application.

WALTER H. GRAVES,
7-2t Engineer.

GRADING.

Baltimore, Md.

Bids wanted for grading about 125,000 or 150,000 yards. Suitable for steam shovel work.

ROLAND PARK COMPANY,
7-2t Roland Park, Baltimore, Md.

DEPARTMENT OF THE INTERIOR. Washington, D. C., February 9, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Union Trust Building, Los Angeles, Cal., until 10 o'clock a. m., March 16, 1906, for furnishing from 8,000 to 10,000 barrels of Portland cement. Particulars may be obtained by application to the Reclamation Service, Washington, D. C., Los Angeles, Cal., or Klamath Falls, Oregon. E. A. HITCHCOCK, Secretary. 7-4t

BRIDGE SUPERSTRUCTURE.

Indiana.

Notice is hereby given that the Board of Commissioners of Vermillion County, Indiana, will receive sealed bids at the office of the Auditor of said county, at Newport, Indiana, until 10 o'clock a. m. on the

12TH DAY OF MARCH, 1906,

for the construction of a steel superstructure for a Highway bridge across the Wabash River near Cayuga, Indiana.

The said superstructure to be constructed in compliance with the plans, strain sheets and specifications for the same, now on file in the said Auditor's office, or they may be seen at the office of Fred Rush, Civil Engineer, Terre Haute, Indiana.

All bids must be accompanied by a good and sufficient bond as required by the statute, to be approved by the Board of Commissioners.

Blank bids and bonds may be had from the Auditor of said county.

The right is reserved to reject any or all bids.

By order of the Board of Commissioners of Vermillion County, Indiana,

W. T. SANDERS,
ALLEN FRAZER,
GEO. B. TILLOTSON,
Vermillion County Commissioners.
H. T. PAYNE, Auditor. 7-1t

BRIDGE.

Port Huron, Mich.

Bids for Bascule, also Counterbalance bridge, including plans and specifications for same, will be received at the office of the City Controller, 11 o'clock, March 30, 1906. Data and information furnished at this office, or by City Engineer.

R. D. O'KEEFE,
7-4t Supt. Pub. Wks.

SEALED proposals, indorsed "Proposals for pump house and pumping machinery," will be received at the Bureau of Yards and Docks, Navy Department, Washington, until 11 o'clock A. M., March 17, 1906, and then and there publicly opened, for constructing a pump house and installing pumping machinery for dry dock, Navy Yard, Charleston, S. C. Plans and specifications can be seen at the Bureau or will be furnished by the Commandant of the navy yard named. MORDECAI T. ENDICOTT, Chief of Bureau. February 6, 1906. 7-2t

FORTHCOMING BOOKS

Ready Early in 1906

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Consisting of a revision and enlargement of the papers on this subject submitted to ENGINEERING NEWS last year in a prize competition. The published information on this specific form of the cement and concrete industry being very limited, this book will be welcomed as a valuable contribution. It contains details of the composition and manufacture of blocks; descriptions of machinery used, with patent specifications; and numerous examples of actual work.

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(BOOK DEPARTMENT)
220 Broadway, New York City

NOTICE TO PIPE MANUFACTURERS.

Oklahoma City, O. T.

Sealed proposals will be received by the city clerk of Oklahoma City, Oklahoma, up to 6 o'clock p. m. of the 21st day of February, 1906, for furnishing f. o. b. cars at Oklahoma City, Oklahoma, iron water pipe and special castings in accordance with the plans and specifications on file.

Specifications, instructions to bidders and blank proposals may be obtained from the city clerk of Oklahoma City, Oklahoma, or from the consulting engineers, Kansas City, Missouri.

Each bid must be accompanied by a certified check of One Thousand ($1,000) Dollars.

The city reserves the right to reject any and all bids.

J. F. MESSENBAUGH,
(SEAL) Mayor.
GEO. HESS, City Clerk.
BURNS & McDONNELL, Consulting Engineers, 709-10 Dwight Bldg., Kansas City, Mo.
Specifications are on file at the office of Engineering News, New York. 7-1t

SEWERAGE SYSTEM.

Lexington, N. C.

Sealed proposals will be received by the Mayor and Board of Commissioners of the Town of Lexington, N. C., until 2 o'clock P. M., Thursday, Feb. 22, 1906, for constructing a Sewerage System in the Town of Lexington, N. C., and furnishing the materials for same.

Works will embrace approximately 5½ miles of pipe sewers, from 8 to 15 inches in diameter.

Plans and specifications will be on file, and may be seen at the office of the Mayor, and copies of specifications, forms, etc., may be obtained from the Engineer.

The right is reserved to reject any, or all, bids.

JOHN H. MOYER, Mayor,
J. L. PEACOCK, Clerk,
Lexington, N. C.
Engineer:
J. L. LUDLOW,
Winston, N. C. 5-3t

DEPARTMENT OF THE INTERIOR. Washington, D. C., February 8, 1906. Sealed proposals will be received at the office of the Engineer, United States Reclamation Service, Glendive, Mon., March 12, 1906, for furnishing about 427,000 pounds of square steel bars for reinforcement of concrete. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, U. S. Geological Survey, Washington, D. C., or to the Project Engineer, Glendive, Mon. THOS. RYAN, Acting Secretary. 7-4t

PAVING.

Augusta, Ga., February 10th, 1906.

Sealed proposals addressed to the "City Council of Augusta, Ga.," will be received by the Street Committee until 12 o'clock, noon, Thursday, March 1st, 1906, for furnishing material and labor for paving 5th Street, from Broad to Bay Streets; Bay Street, from 5th Street to East end of City Wharf; 7th Street, from Broad to Reynolds Streets; 7th Street, from Ellis to Walker Streets; 9th Street, from Broad to Bay Streets; Reynolds Street, from 7th to 9th Streets, with either Brick or Small Belgian Block. The surface to be covered is approximately twenty-three thousand (23,000) square yards, and the material to be used will be selected by the City after the bids are opened.

Specifications can be had by applying to this office on and after February 15th.

A certified check for $500.00 must be deposited with each proposal.

The City Council of Augusta reserves the right to reject any or all bids.

NISBET WINGFIELD,
City Engineer and Commissioner Public Works. 7-2t

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., Feb. 13, 1906.—Sealed proposals will be received at this office until 12 o'clock, noon, March 3, 1906, to furnish 600 tons of eight-inch cast-iron water pipe. Specifications and blank forms of proposal may be obtained at this office. HENRY B. F. MACFARLAND, HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 7-2t

SITUATIONS OPEN

COMPETENT and reliable draftsman for general road work, wanted at once. Salary, $80.00 a month. C. M. WARD, Ch. Engr. Arkansas Valley R. R., Lamar, Colo. 7-2t

WANTED.—A good macadam and street paving foreman; give experience, references and salary expected. BOX 648, Durham, N. C. 7-2t

WANTED.—Several experienced structural detailers and checkers. Address ASST. CHIEF DRAFTSMAN, Structural Dept., Cambria Steel Co., Johnstown, Pa., giving experience, salary expected and date of reporting, if engaged. 7-2t

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